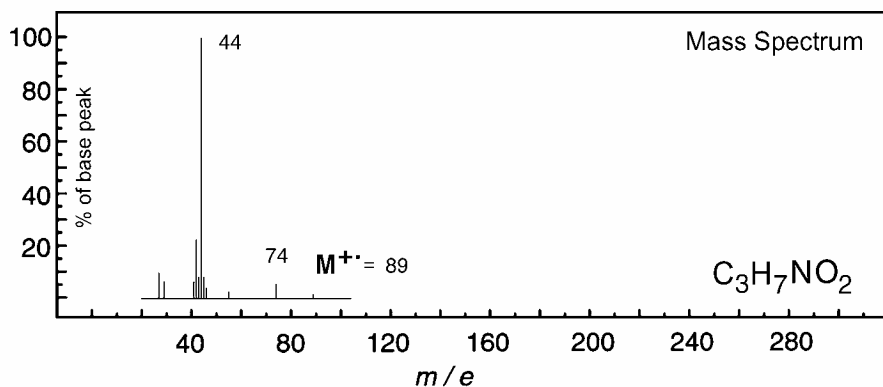
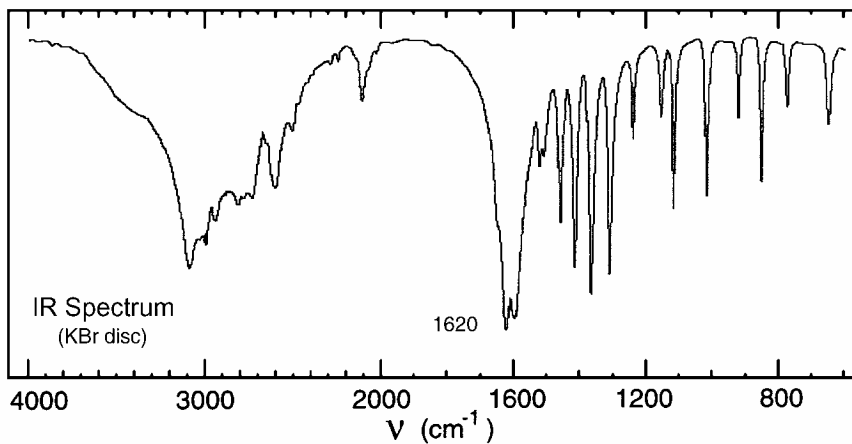
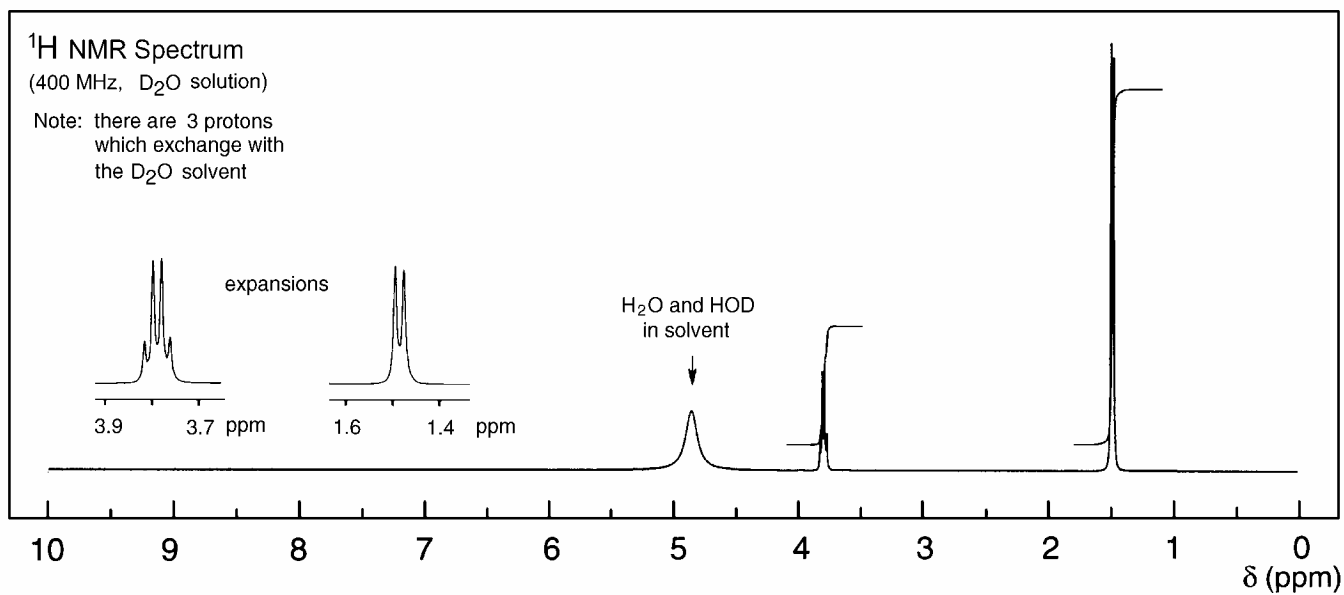
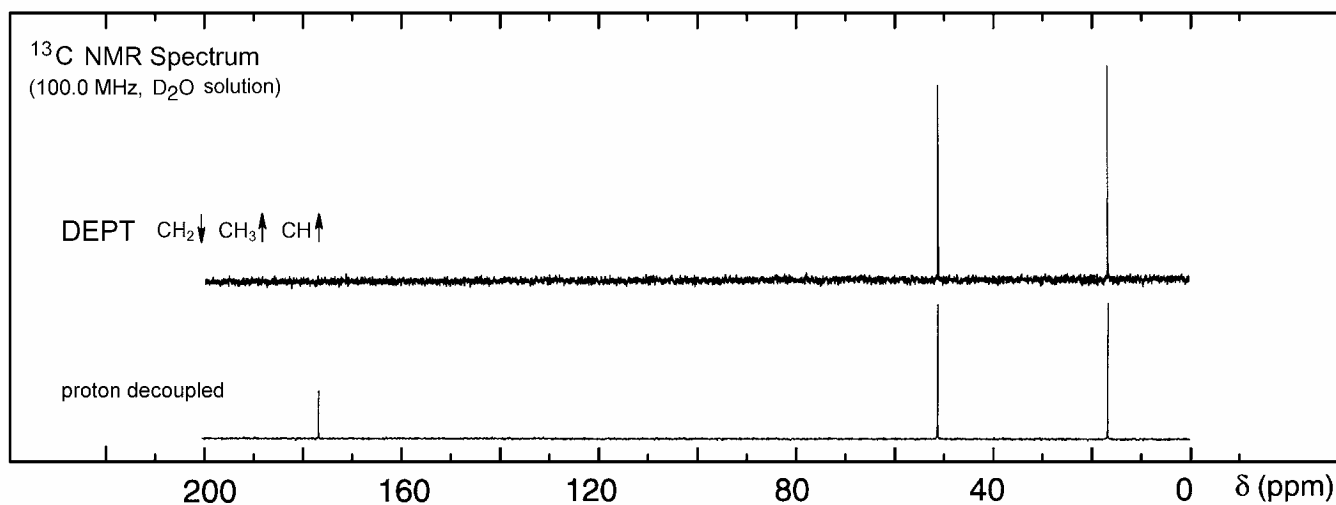


Problem 20

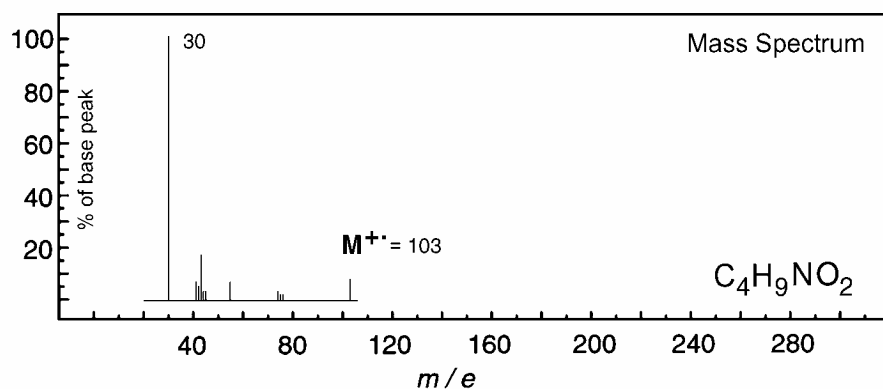
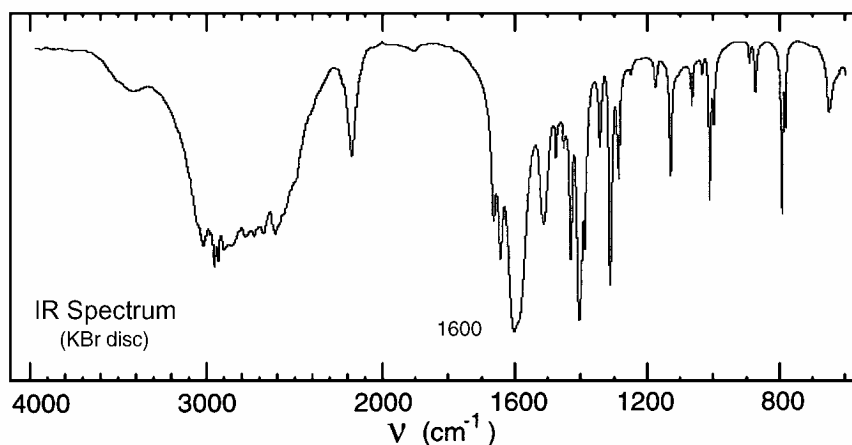


No significant UV
absorption above 220 nm

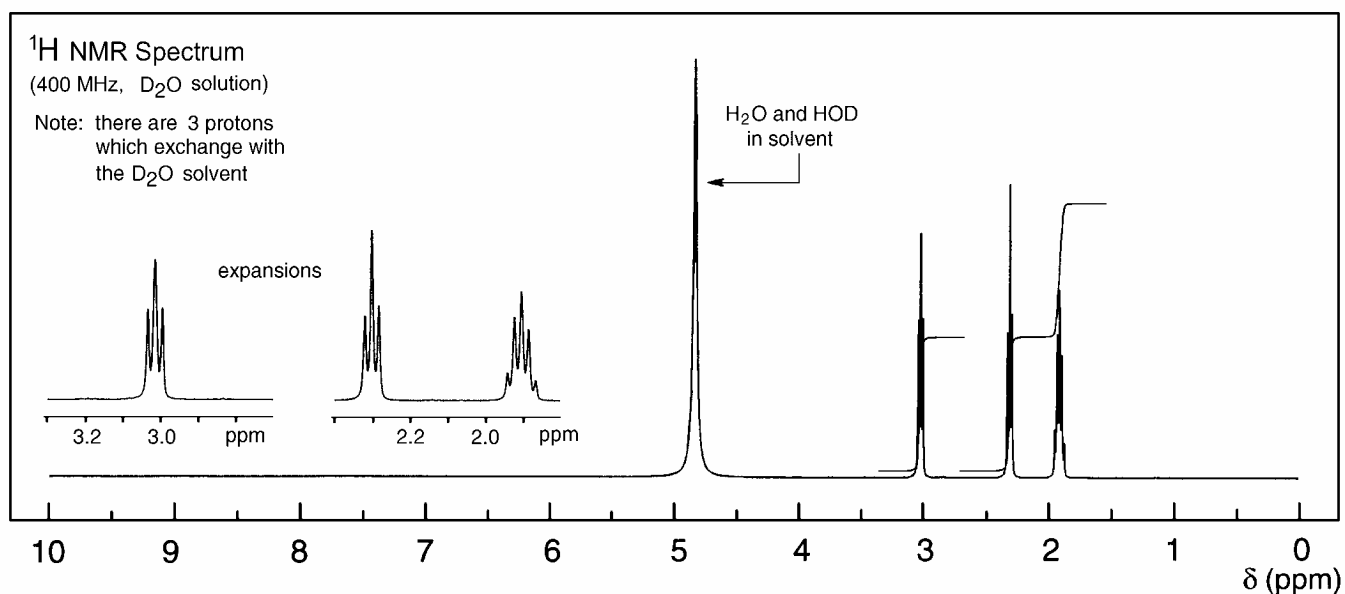
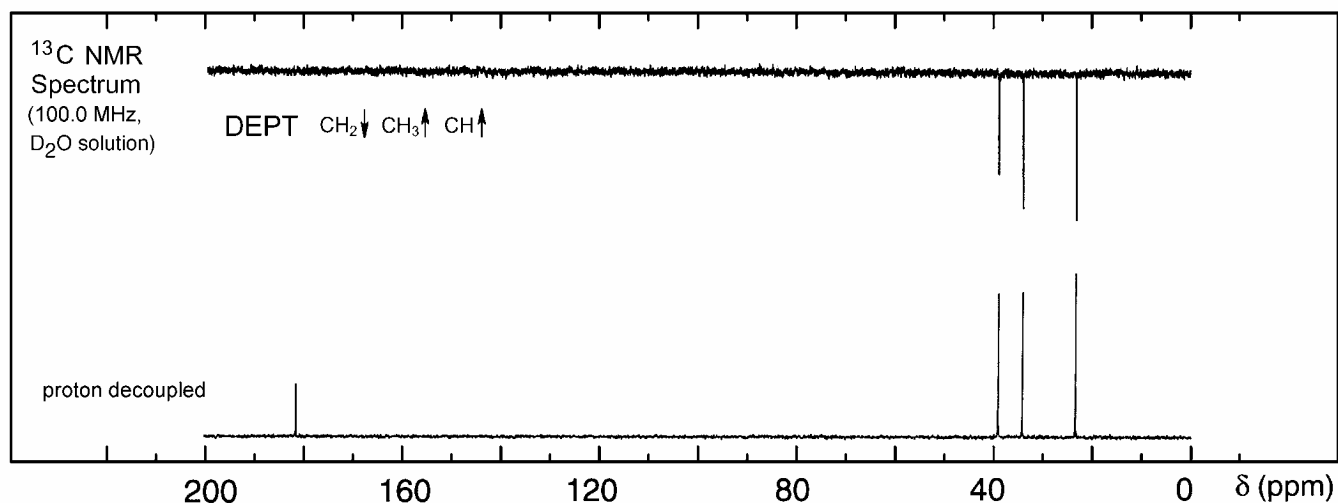




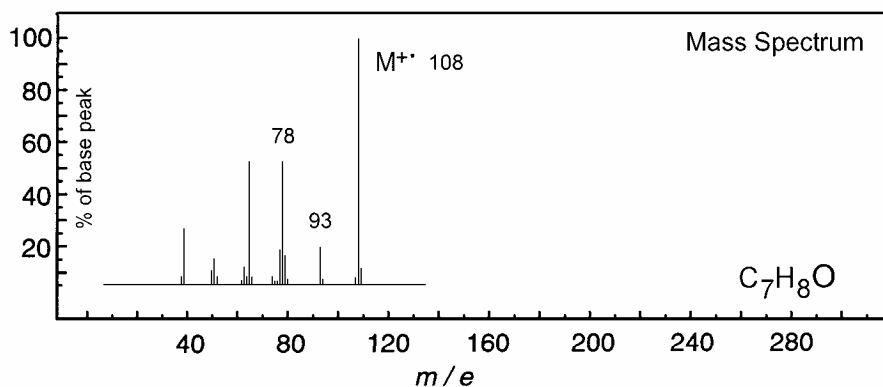
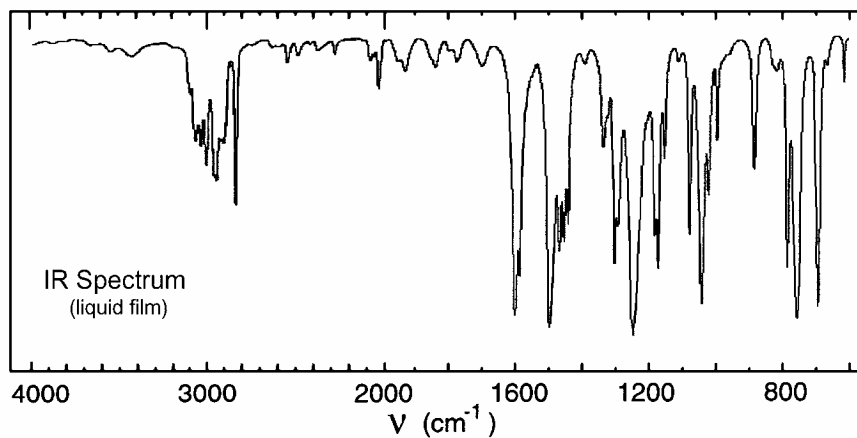
Problem 21



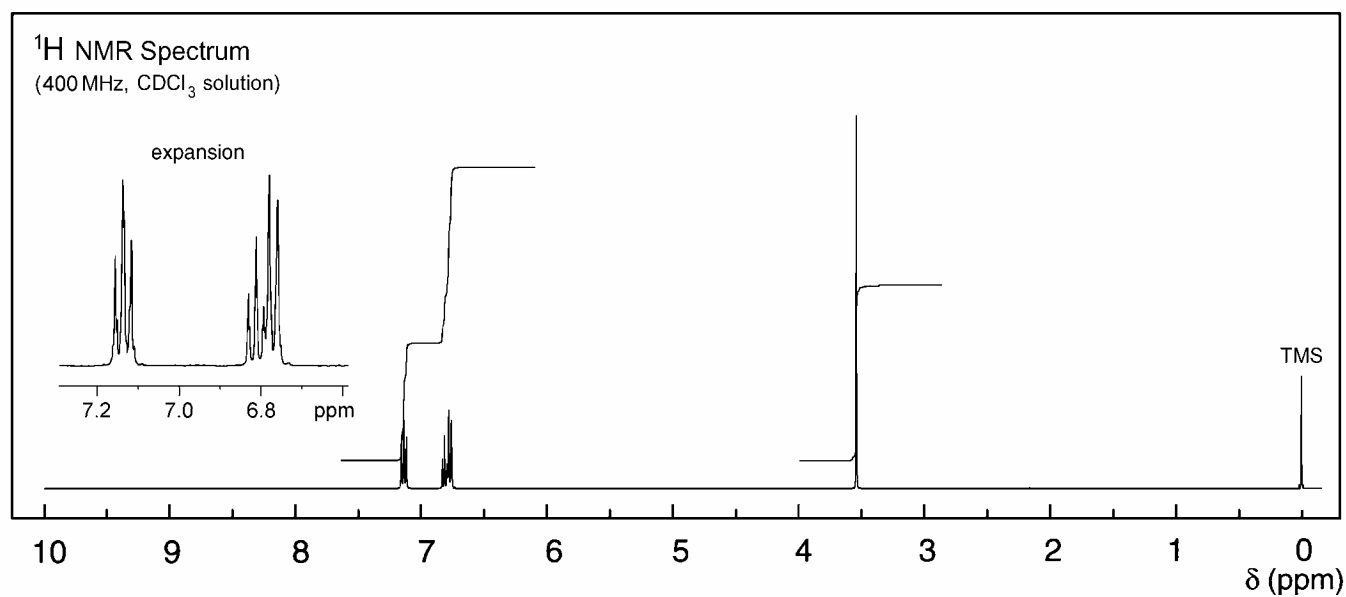
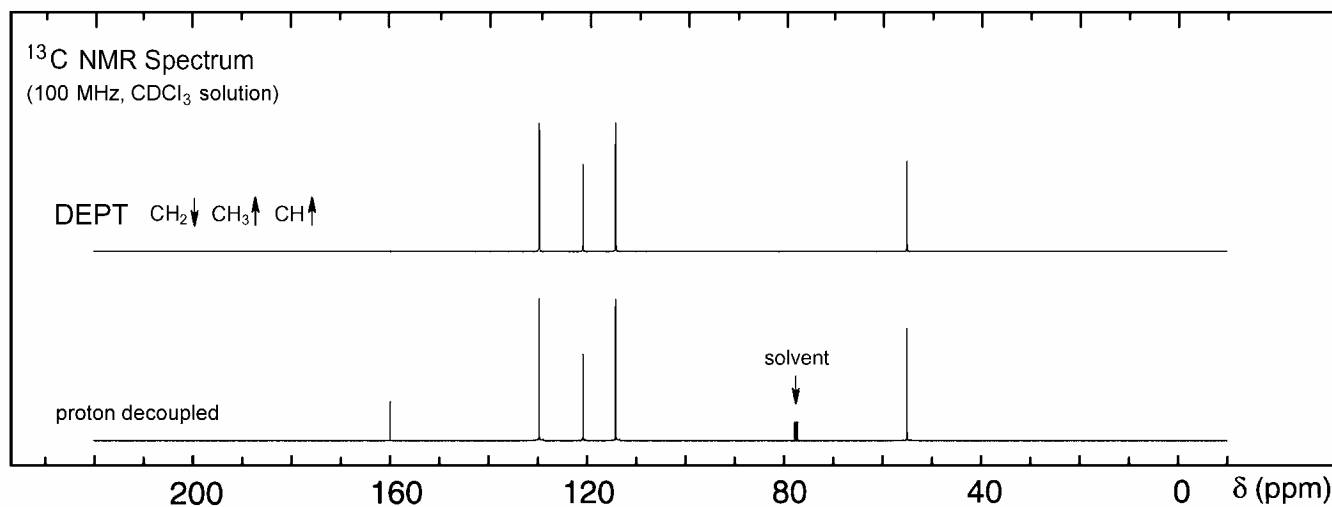
No significant UV
absorption above 220 nm



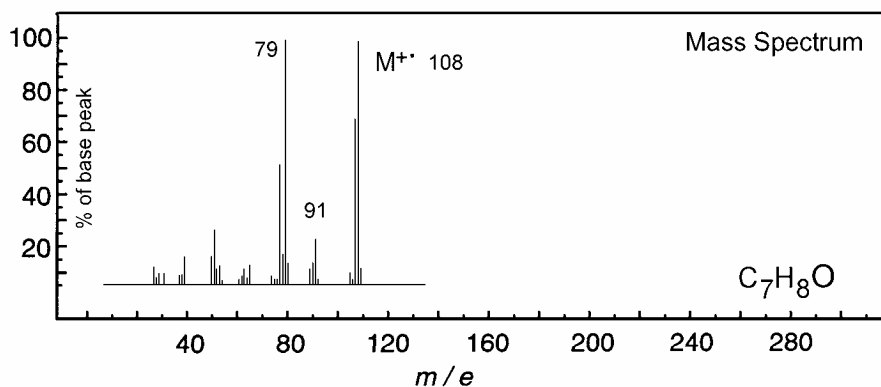
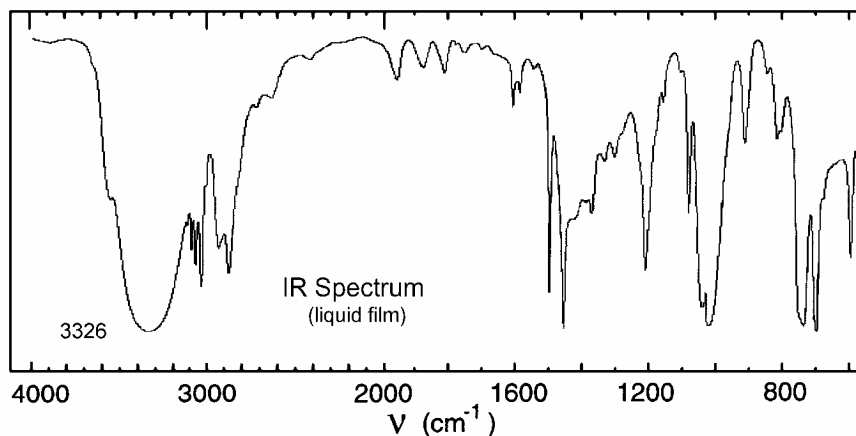
Problem 22



UV Spectrum
 λ_{max} 269 nm ($\log_{10} \epsilon$ 3.2)
solvent : methanol



Problem 23



UV Spectrum

λ_{max} 243 nm ($\log_{10} \epsilon$ 1.9)

λ_{max} 248 nm ($\log_{10} \epsilon$ 2.1)

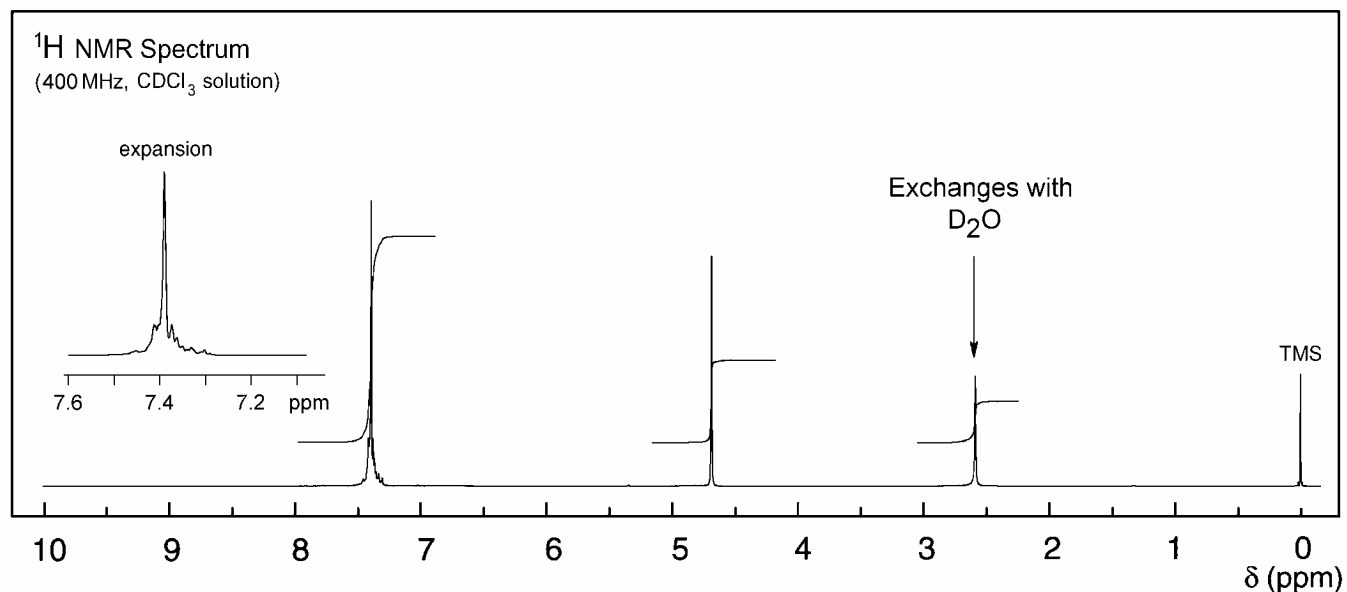
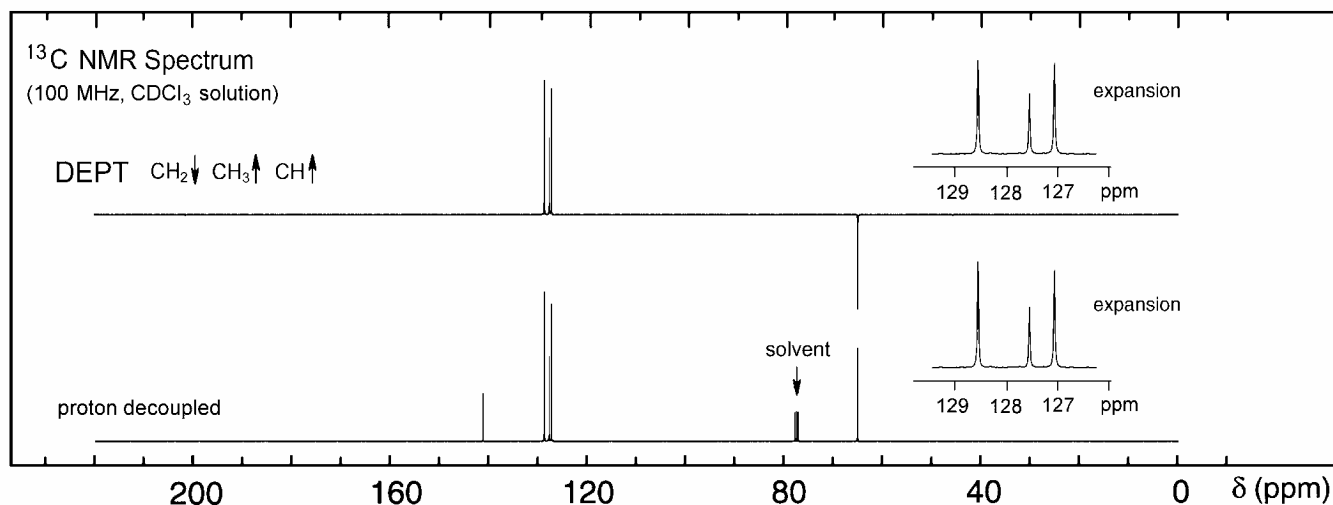
λ_{max} 252 nm ($\log_{10} \epsilon$ 2.2)

λ_{max} 258 nm ($\log_{10} \epsilon$ 2.3)

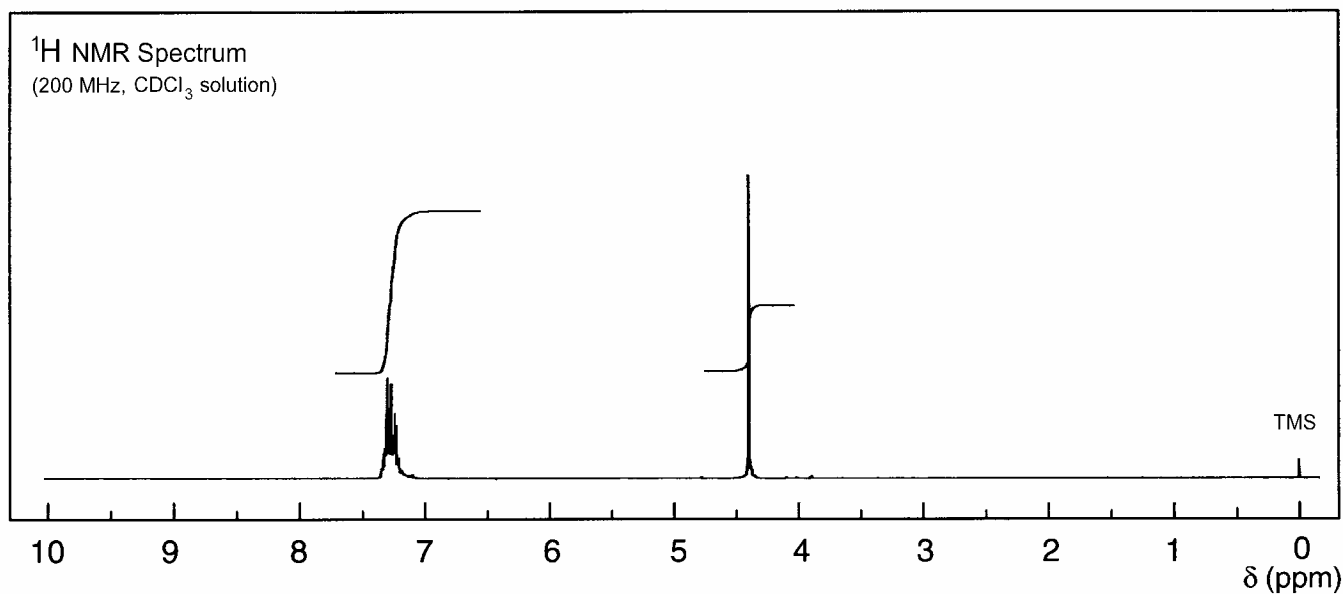
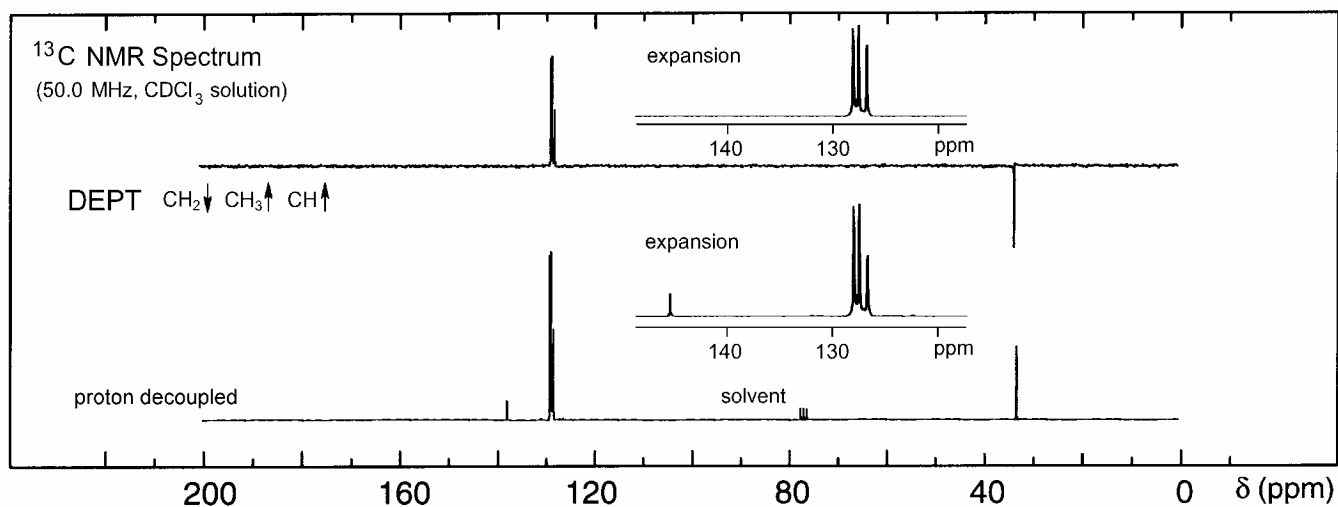
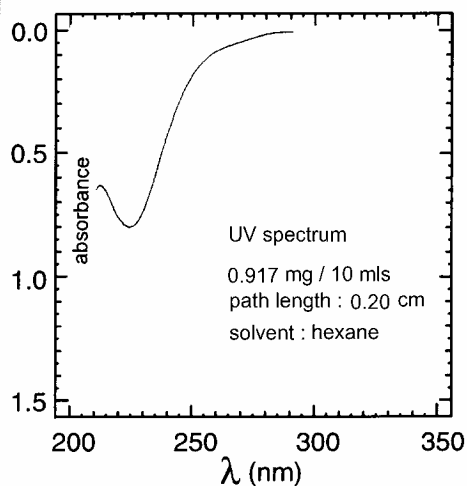
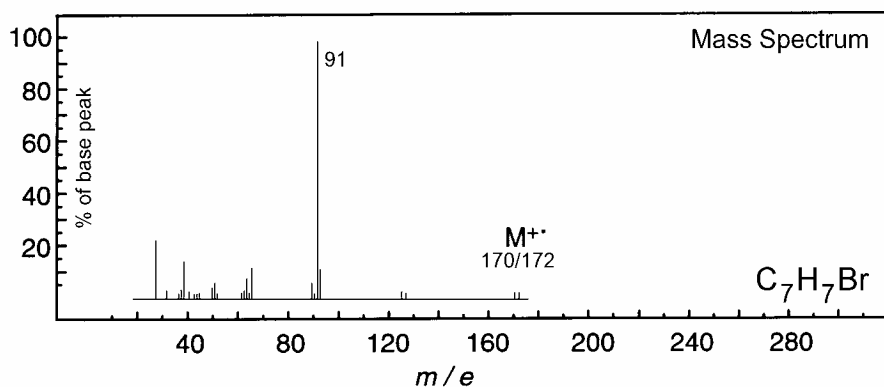
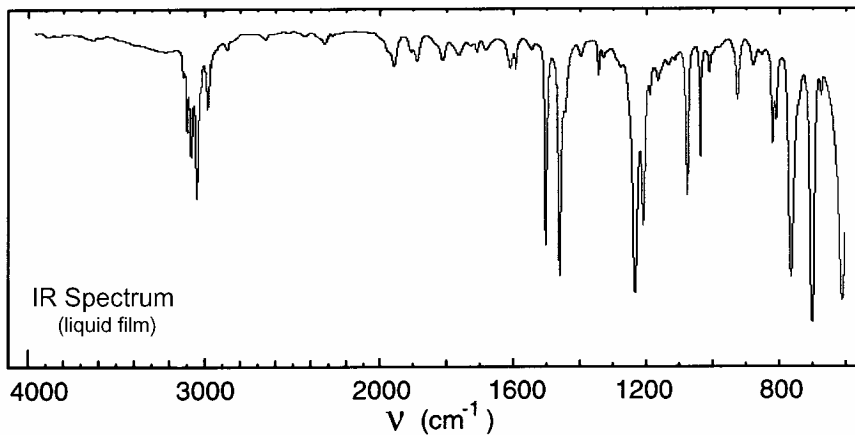
λ_{max} 264 nm ($\log_{10} \epsilon$ 2.1)

λ_{max} 268 nm ($\log_{10} \epsilon$ 1.9)

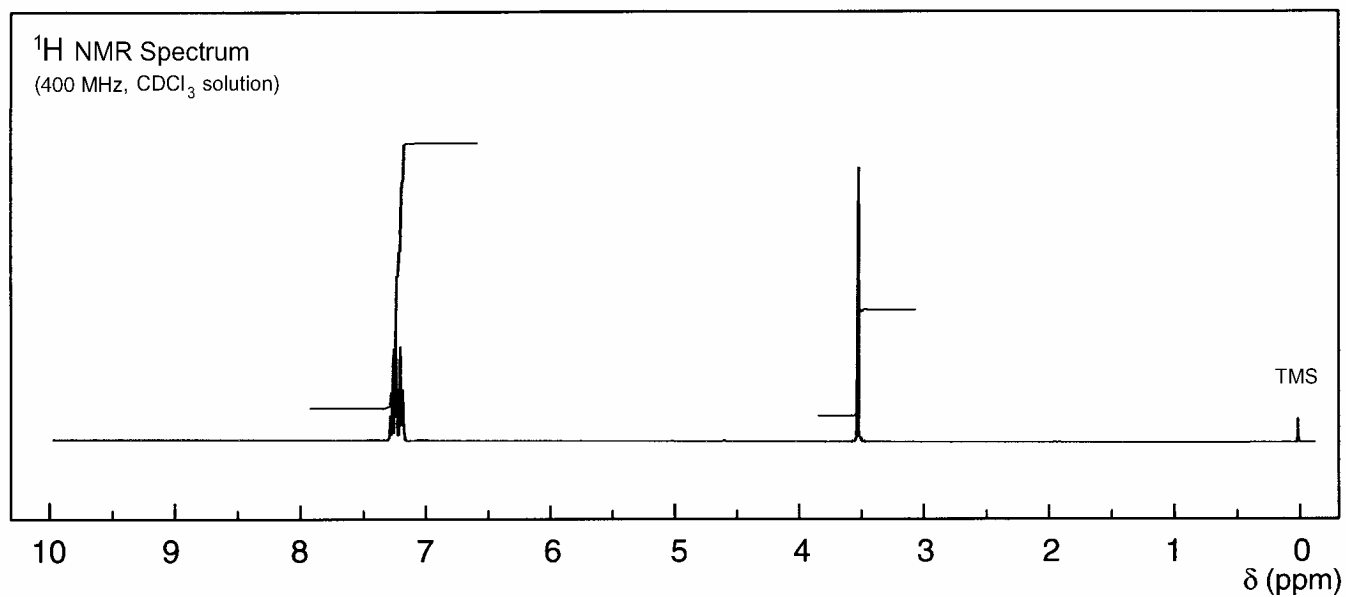
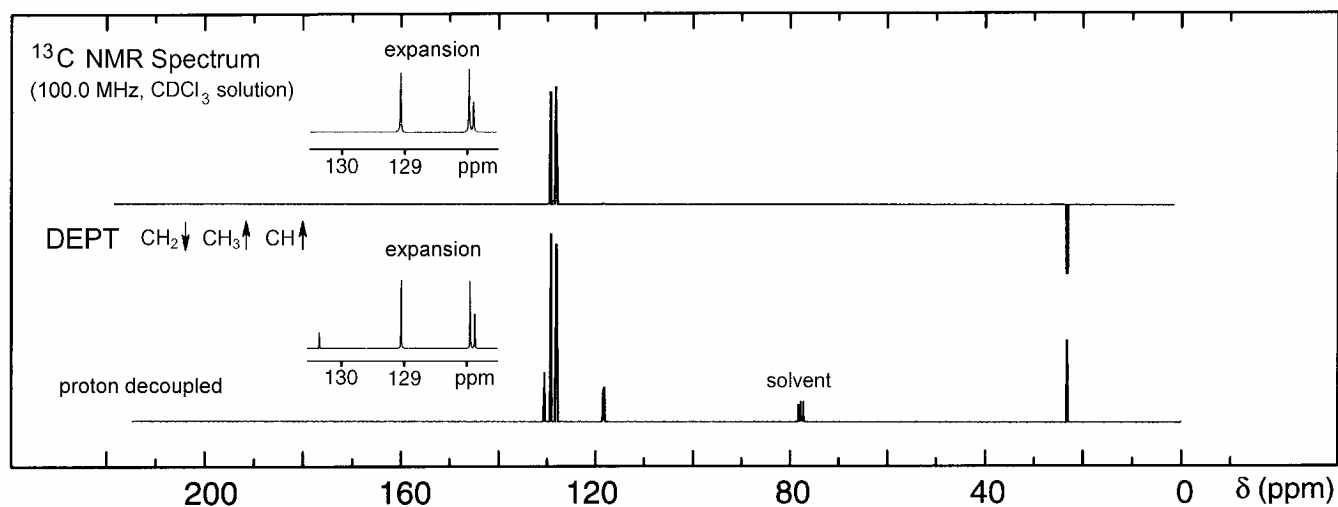
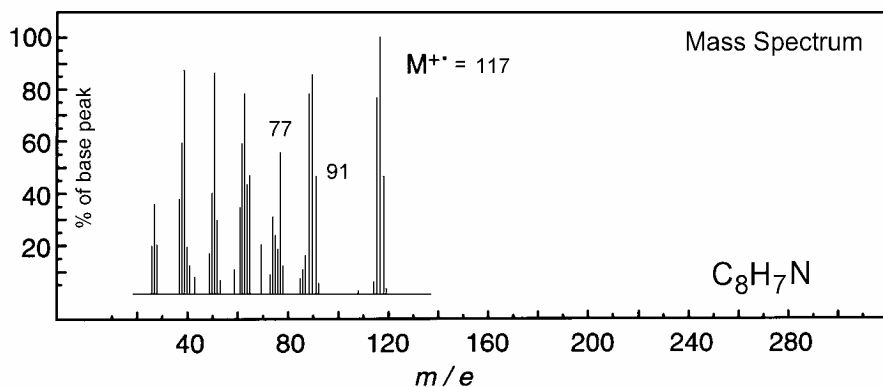
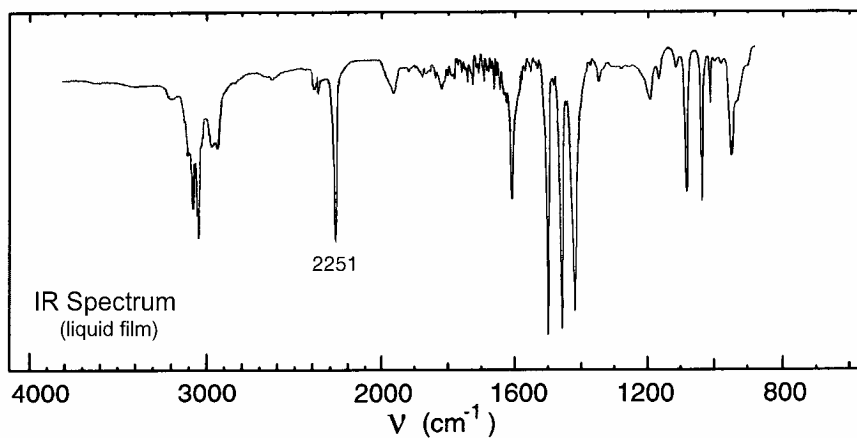
solvent : ethanol



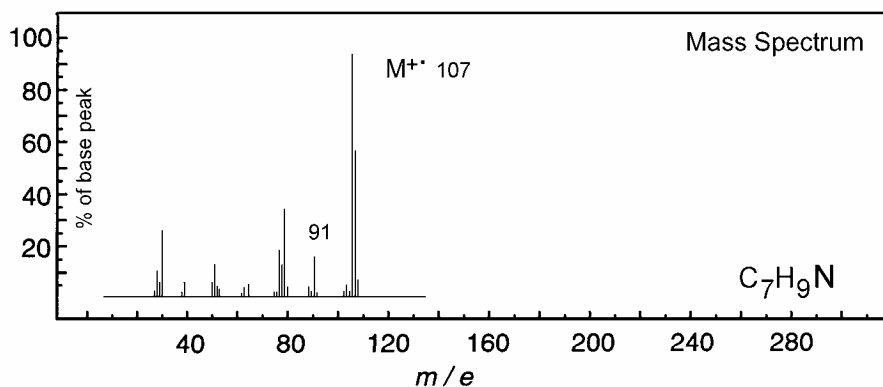
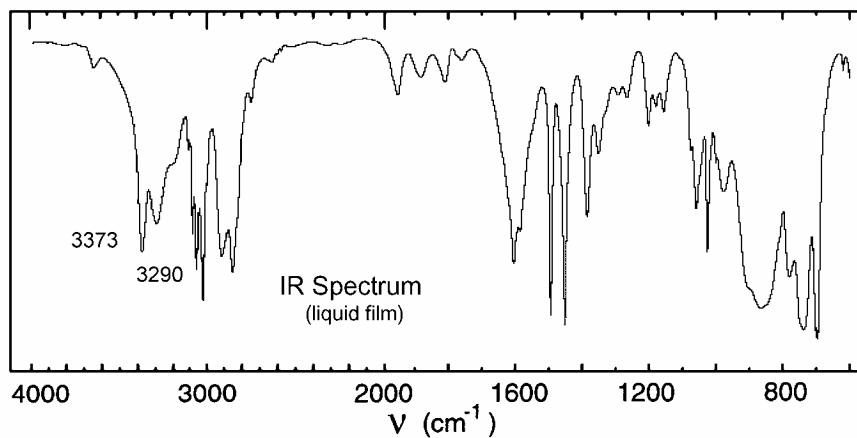
Problem 24



Problem 25



Problem 26

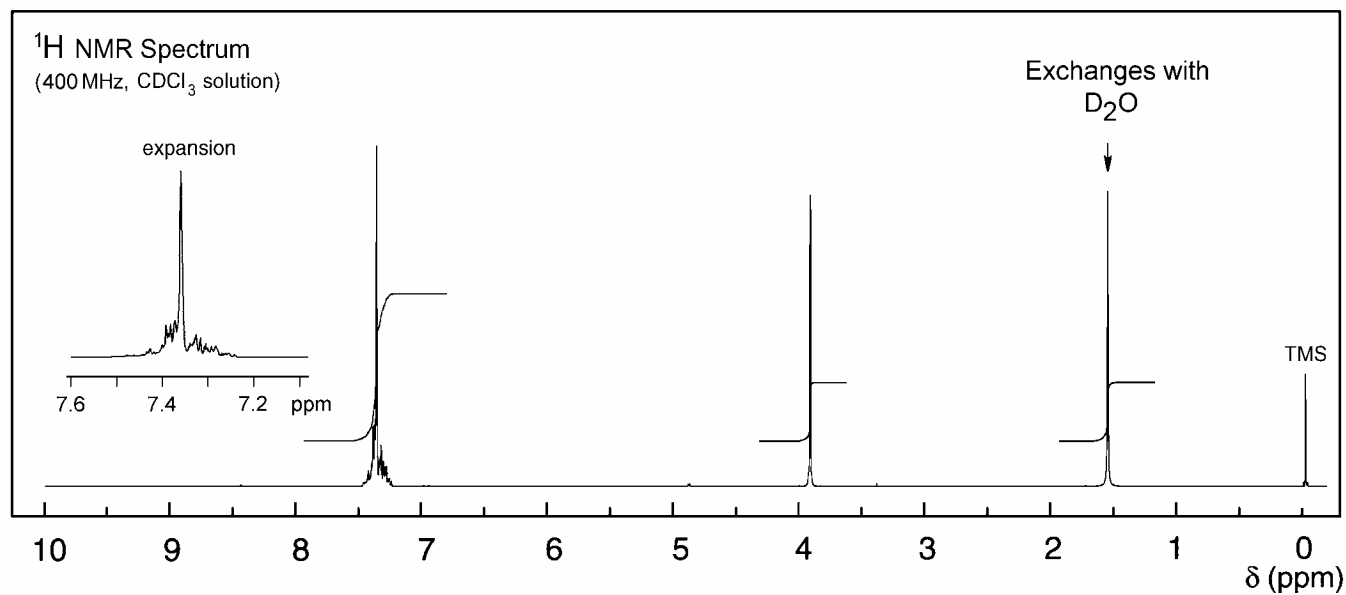
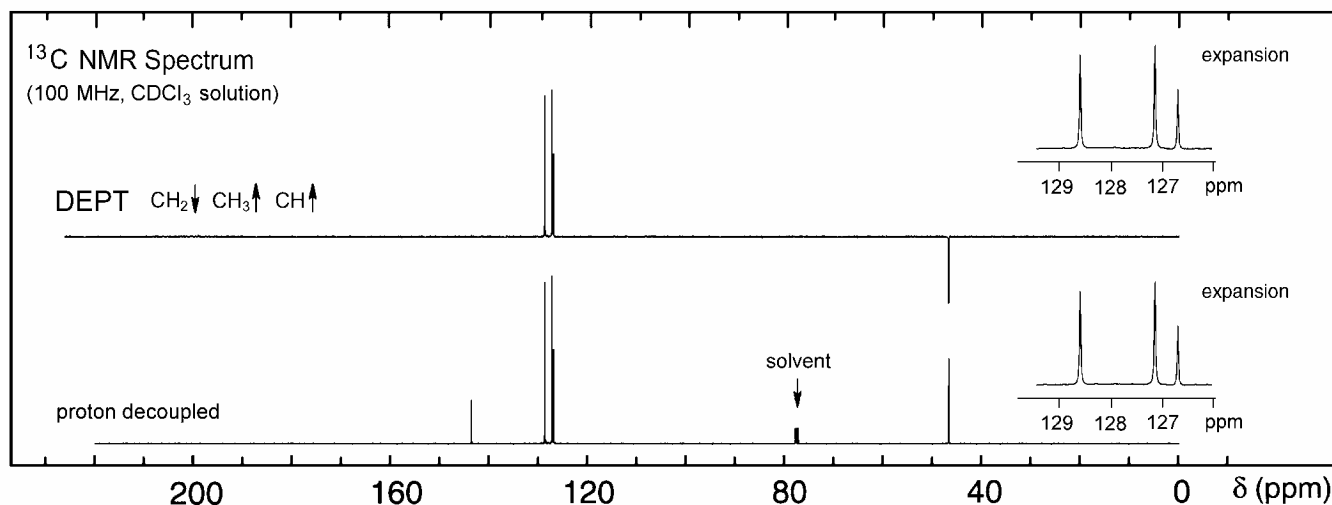


UV Spectrum

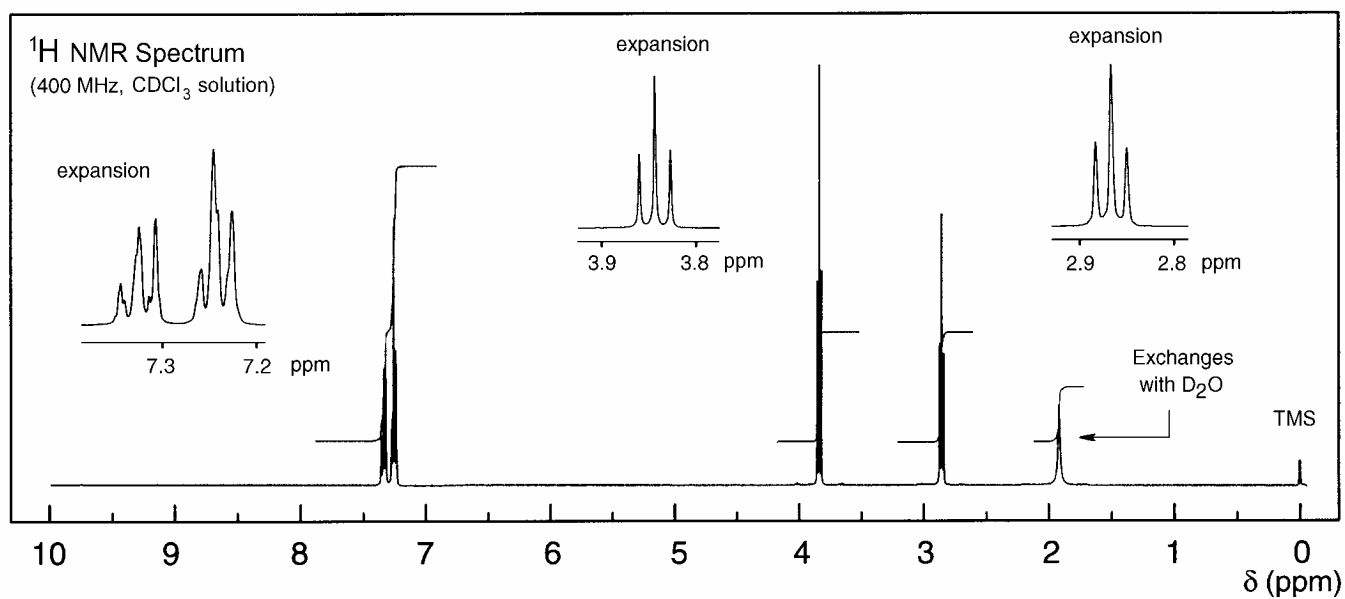
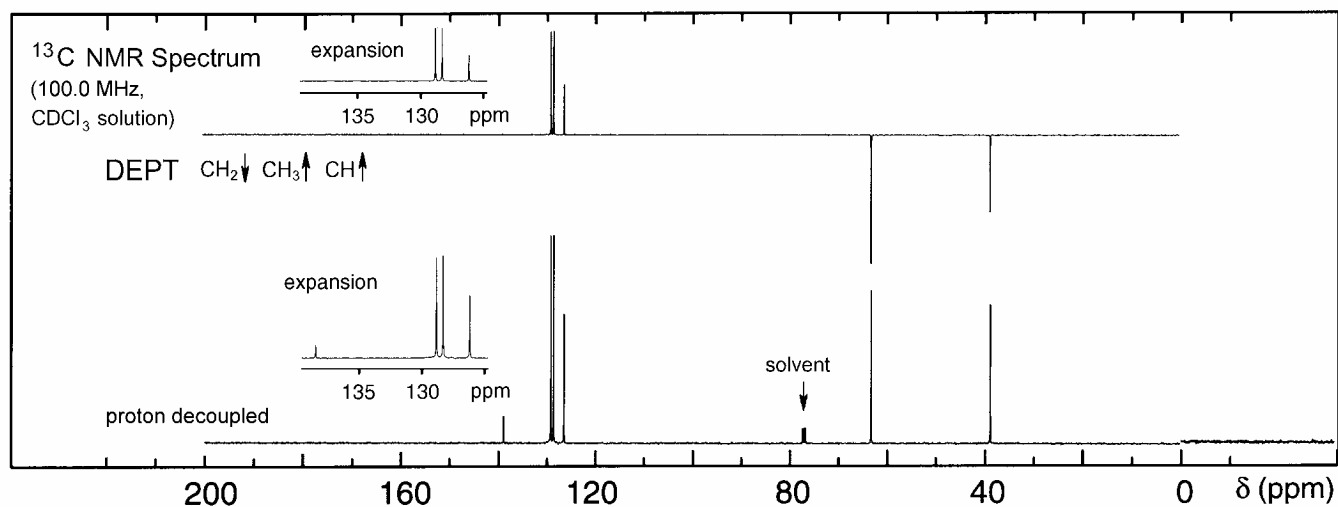
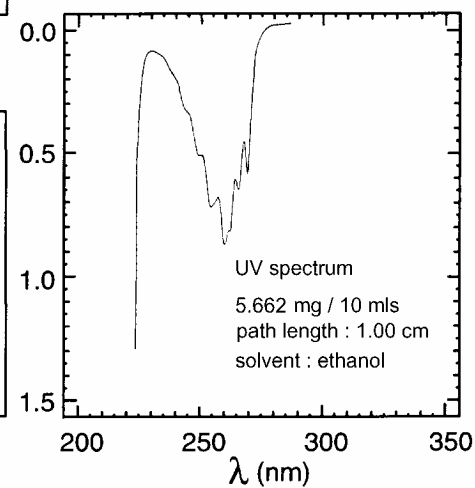
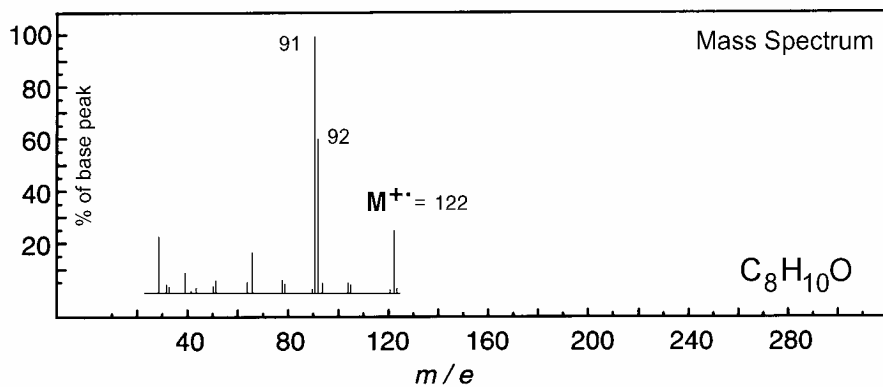
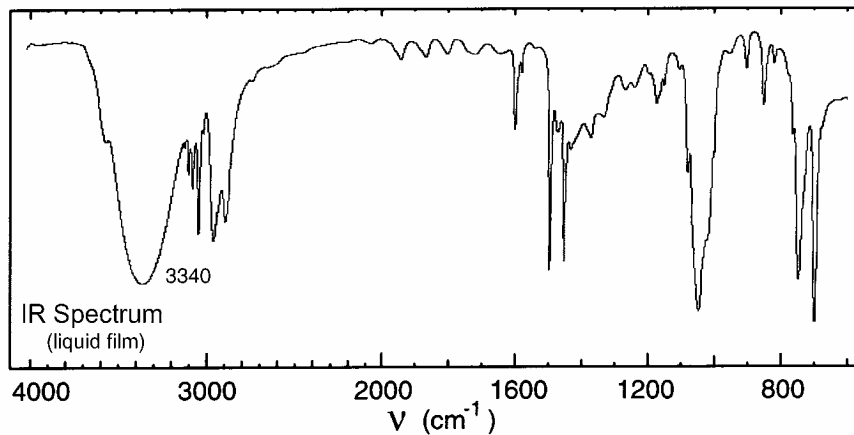
λ_{max} 256 nm ($\log_{10} \epsilon$ 2.2)

λ_{max} 264 nm ($\log_{10} \epsilon$ 2.1)

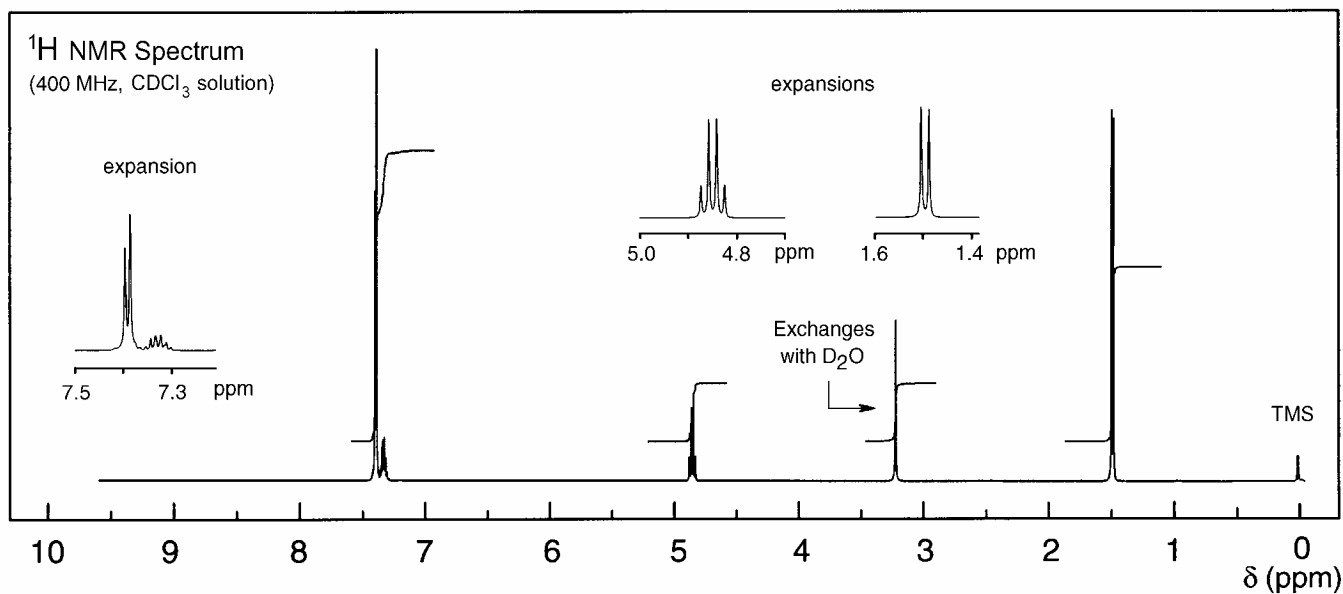
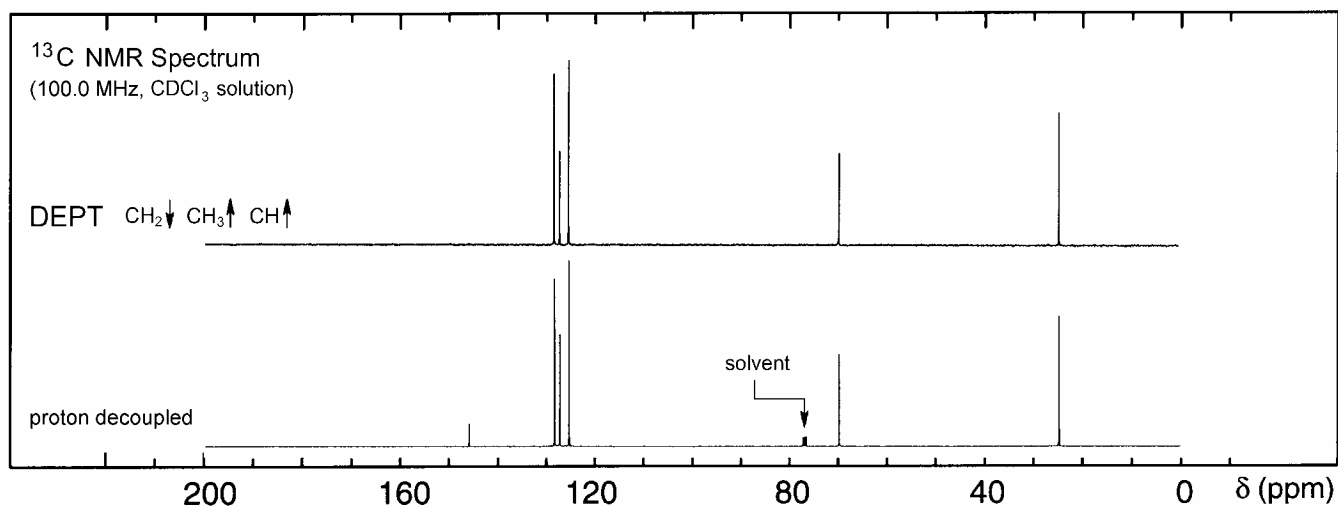
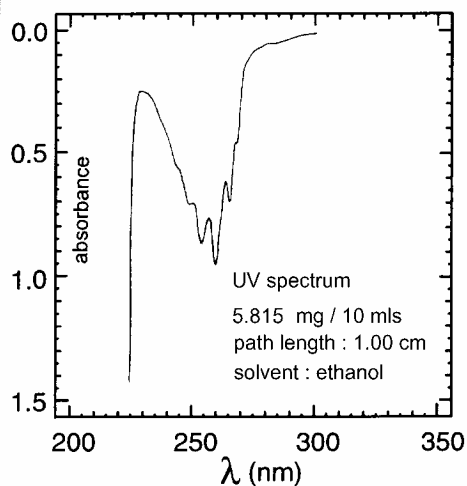
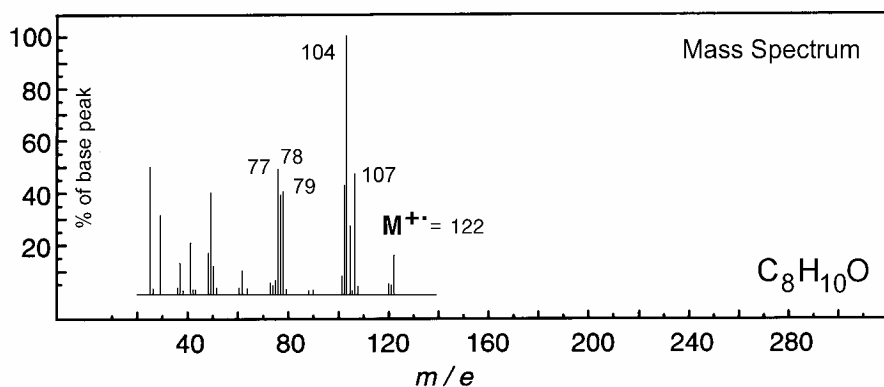
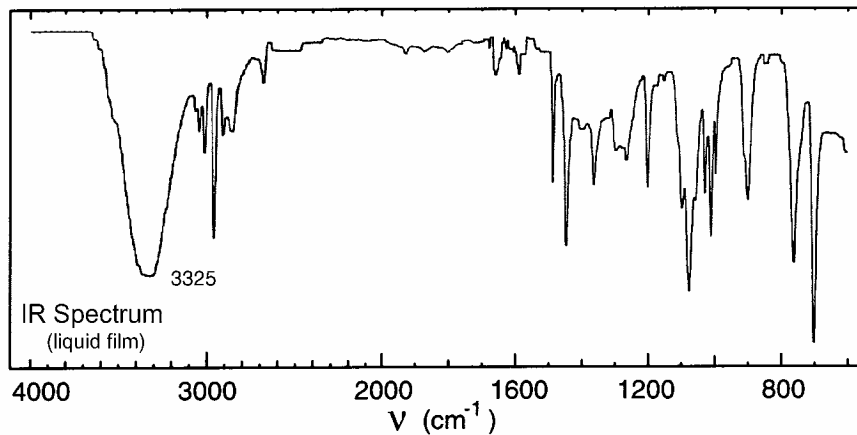
solvent : ethanol



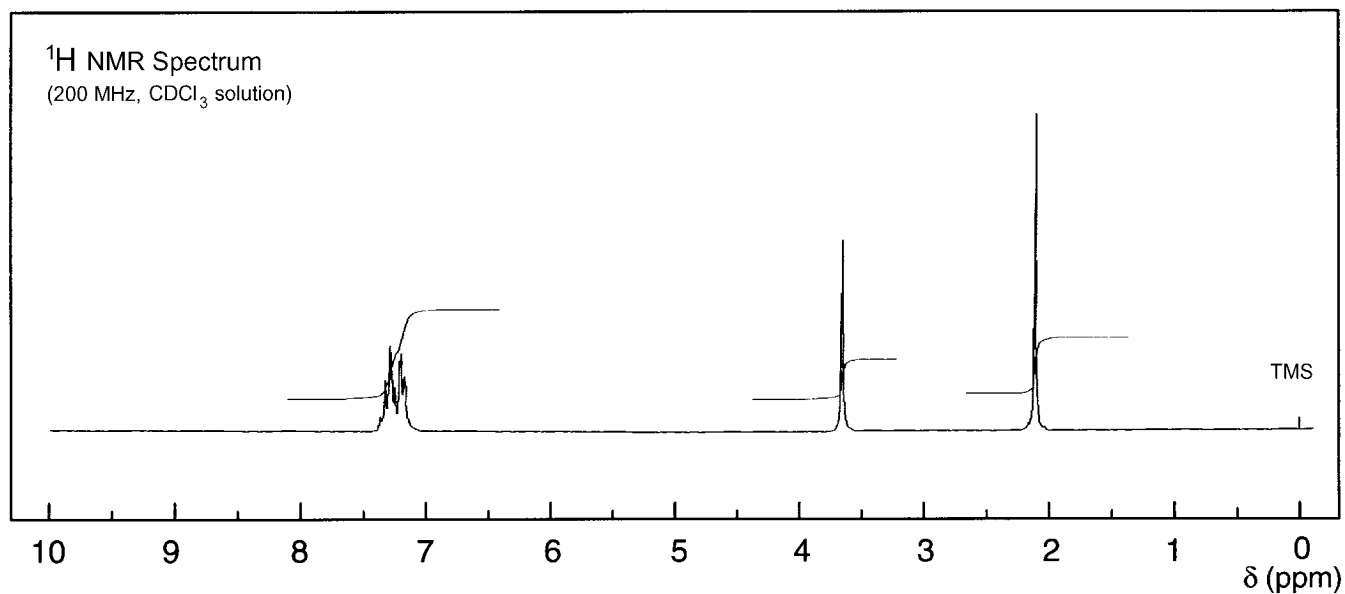
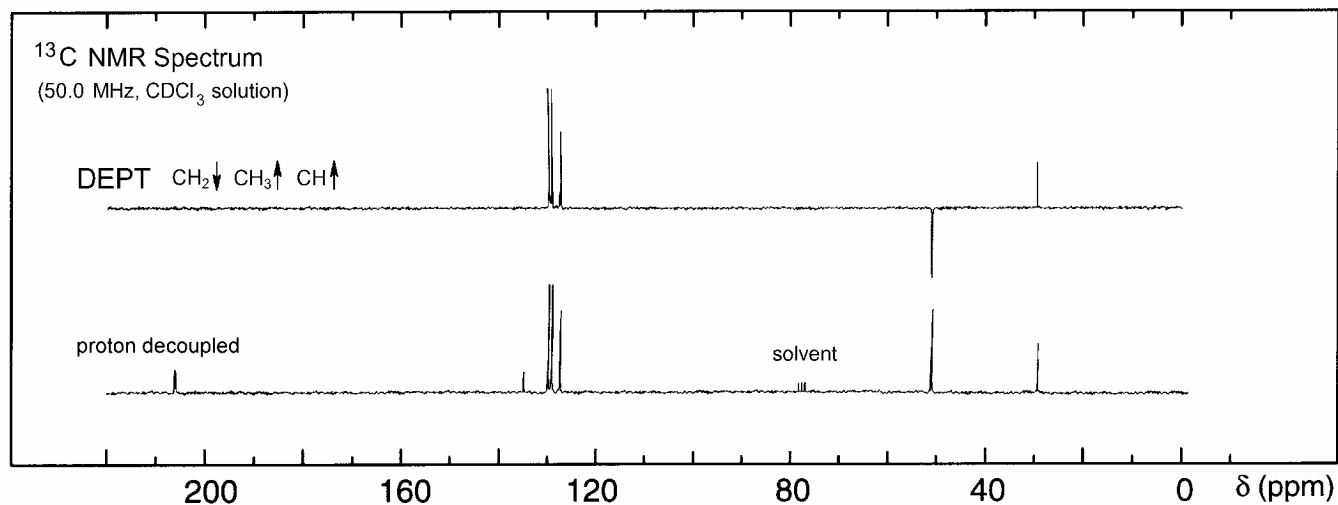
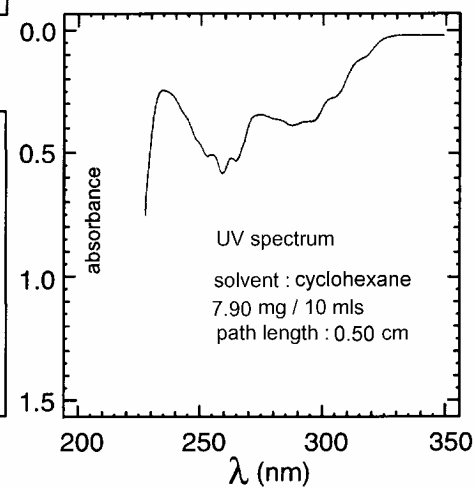
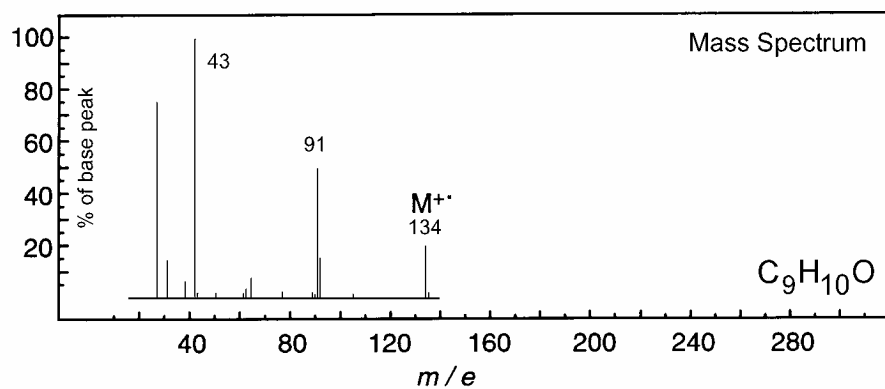
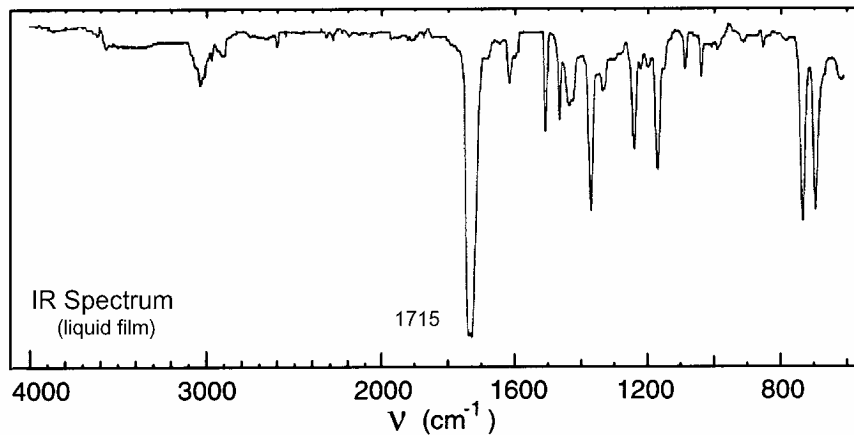
Problem 27



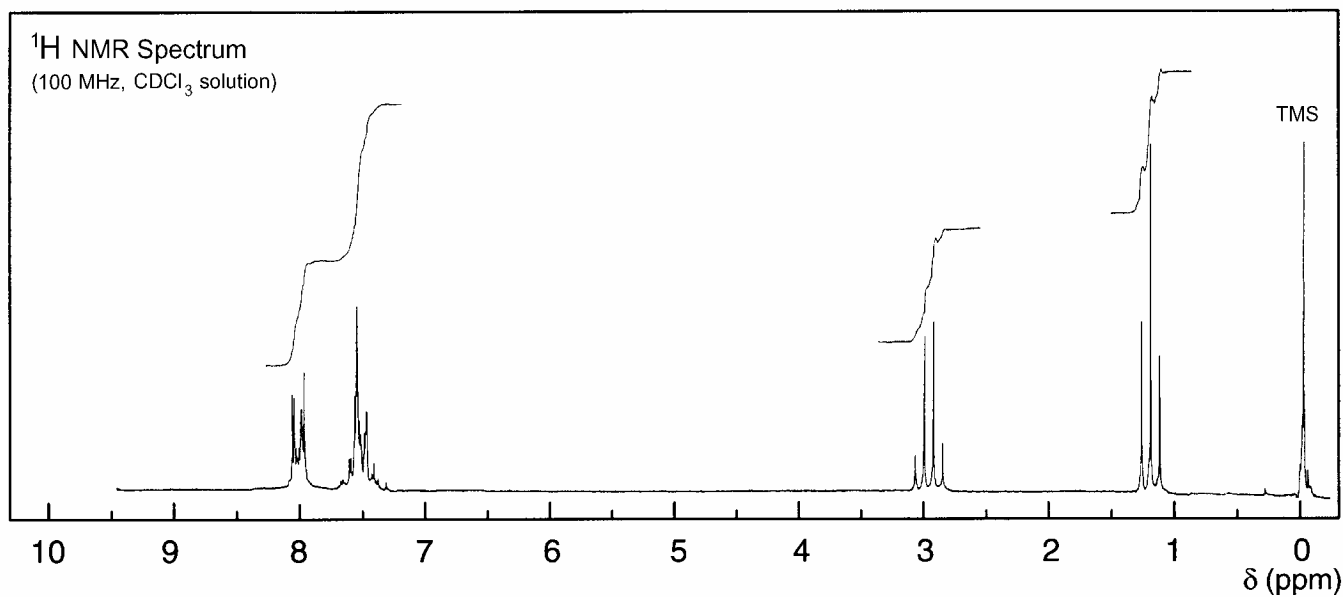
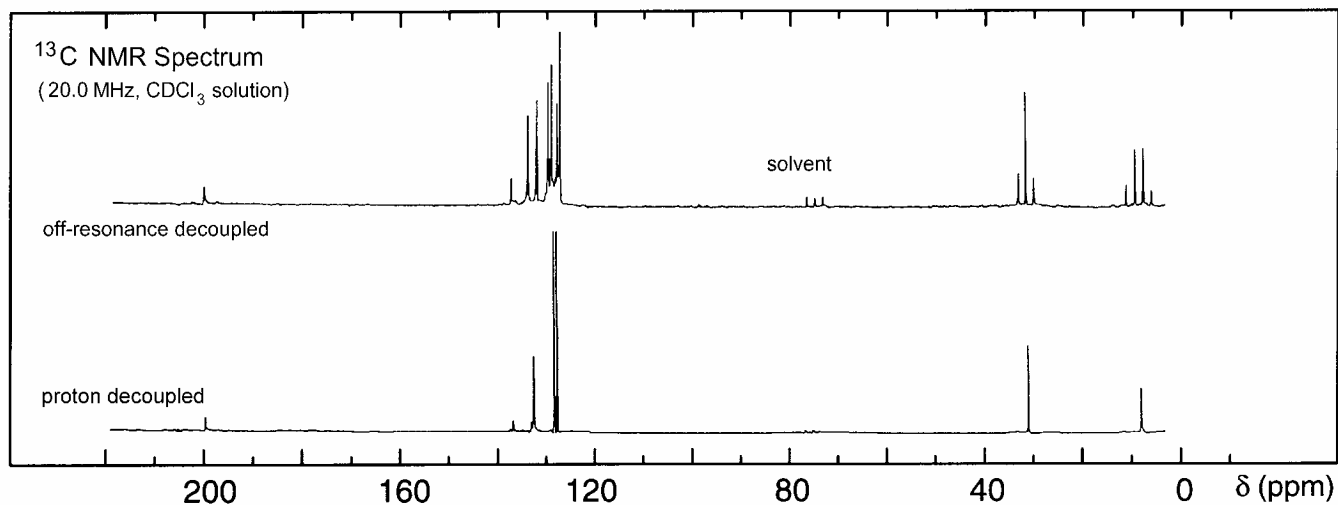
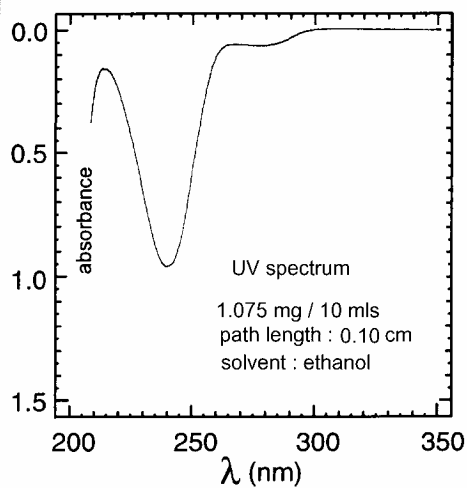
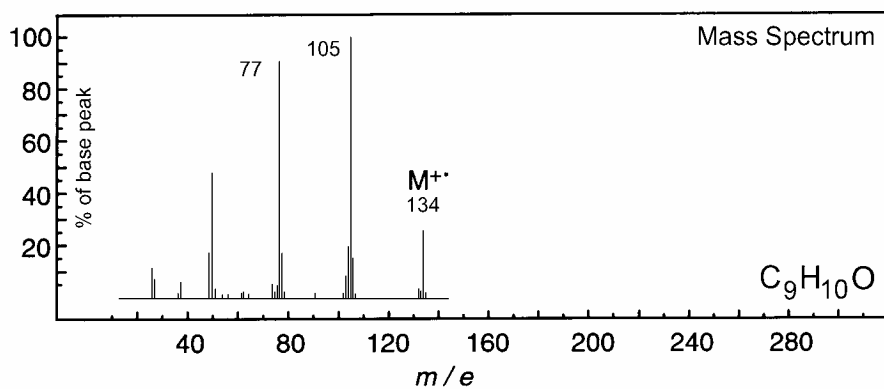
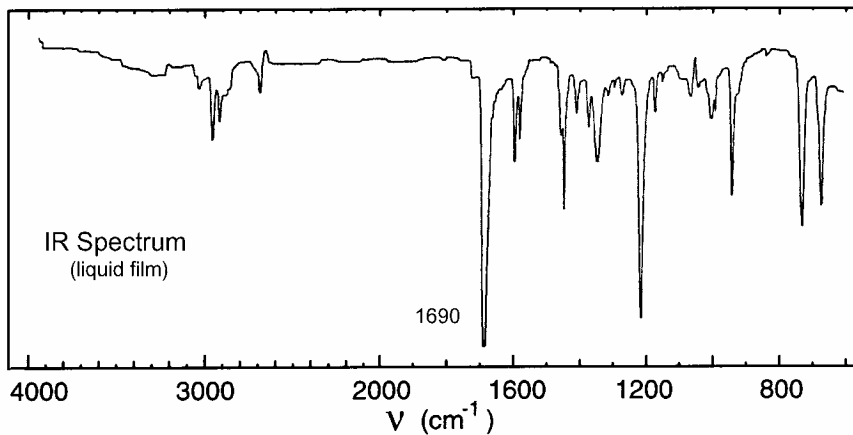
Problem 28



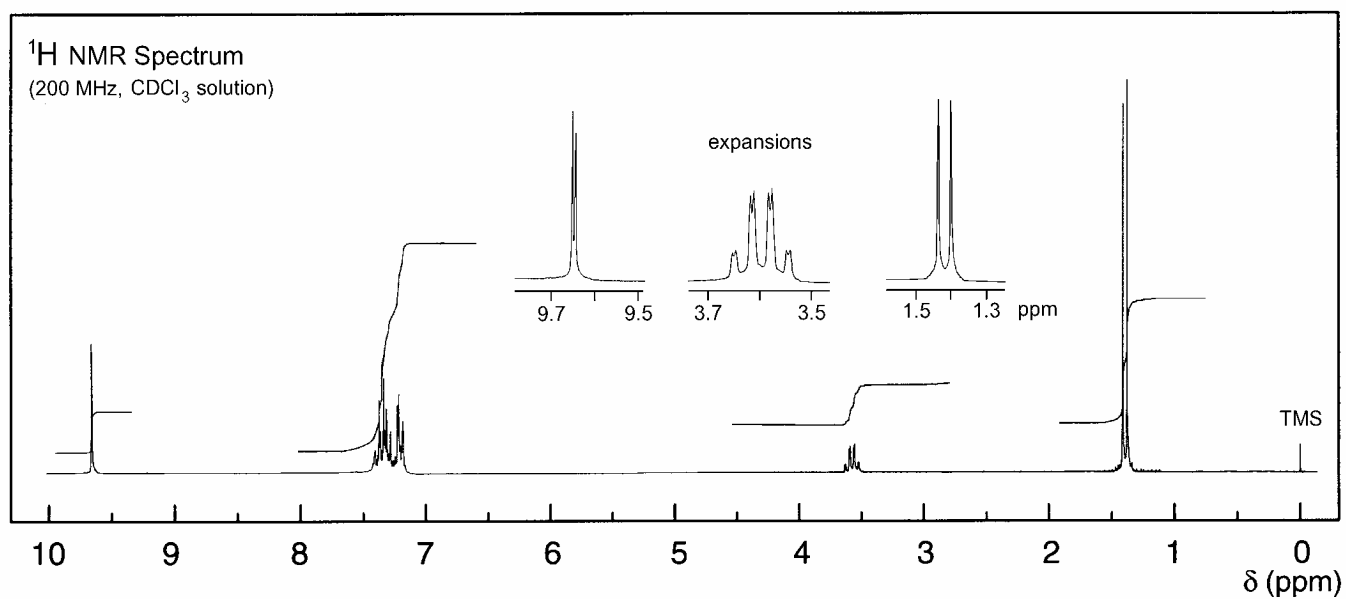
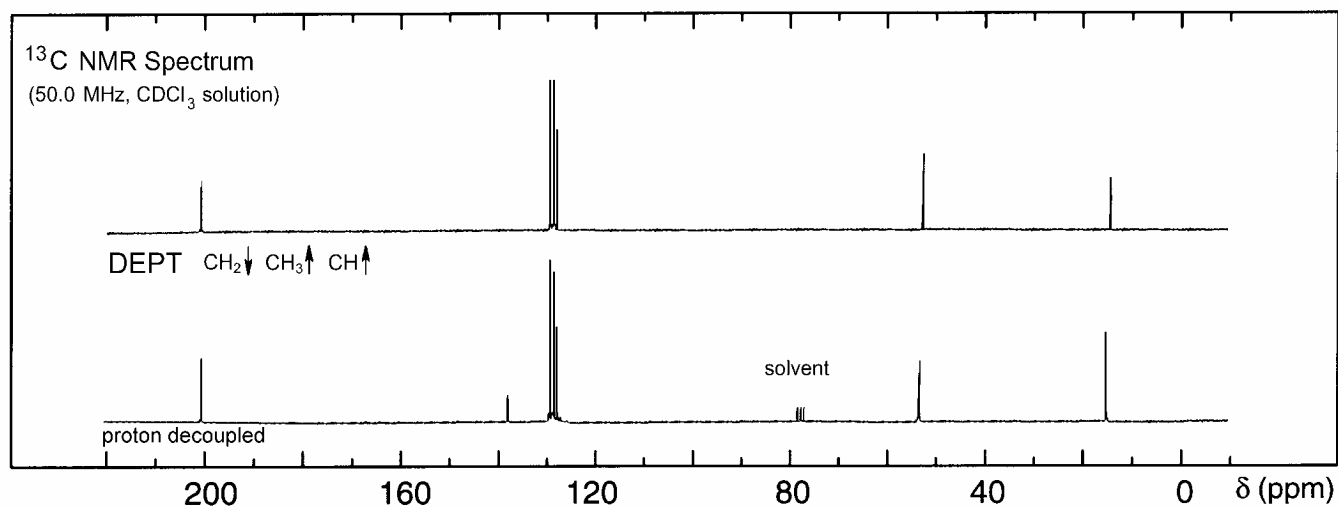
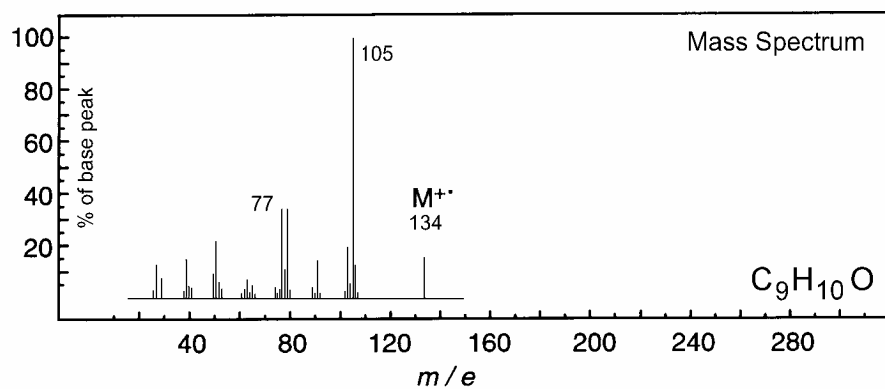
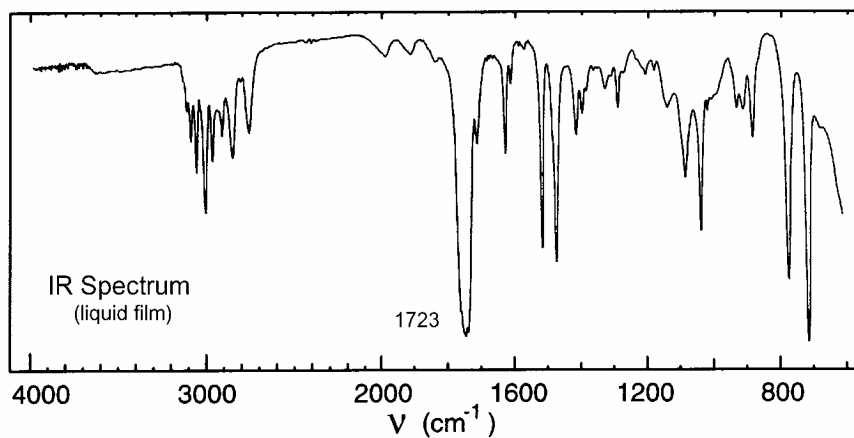
Problem 29



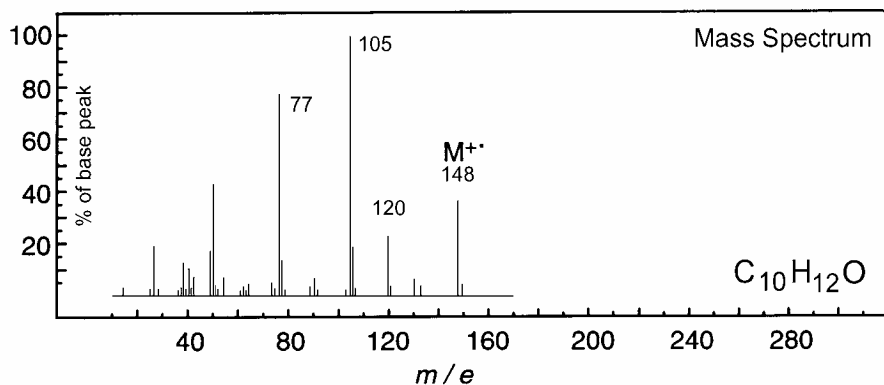
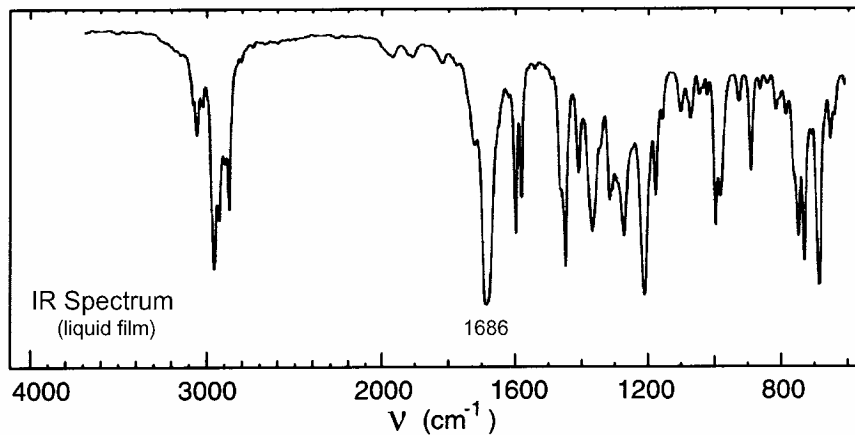
Problem 30



Problem 31



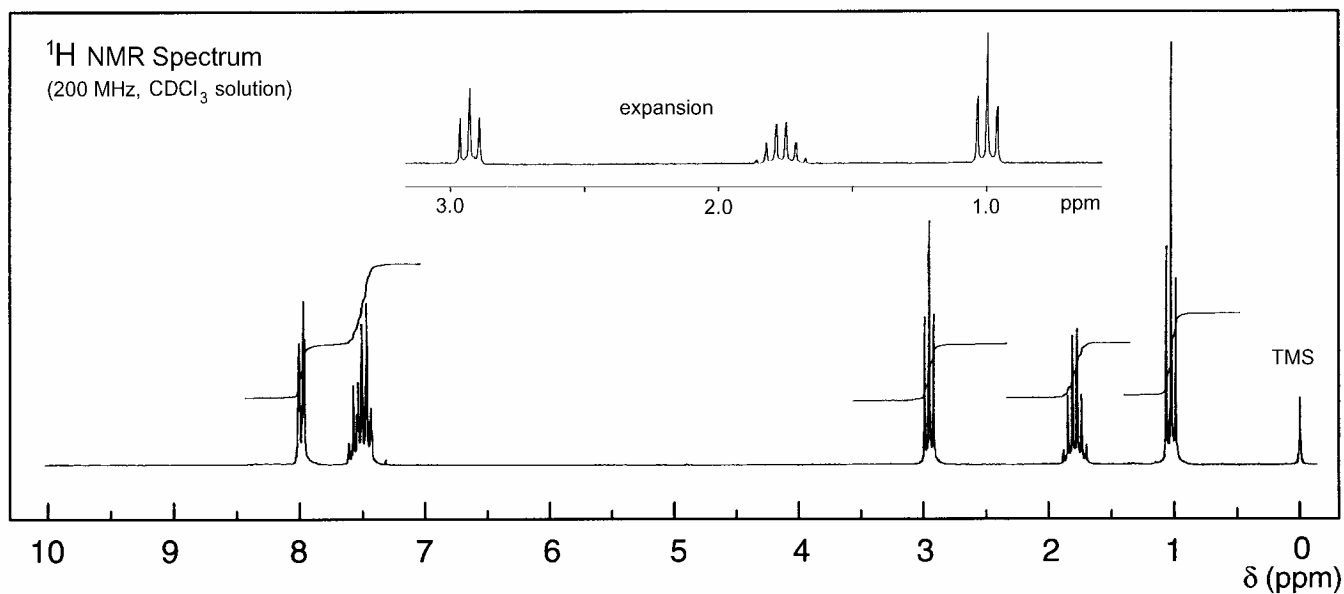
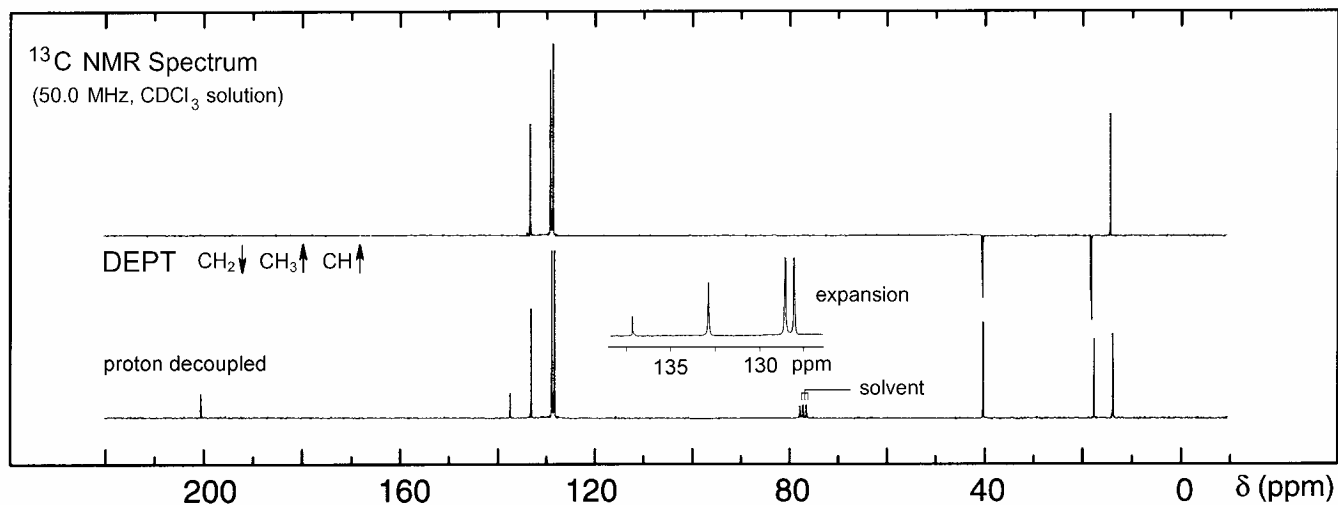
Problem 32



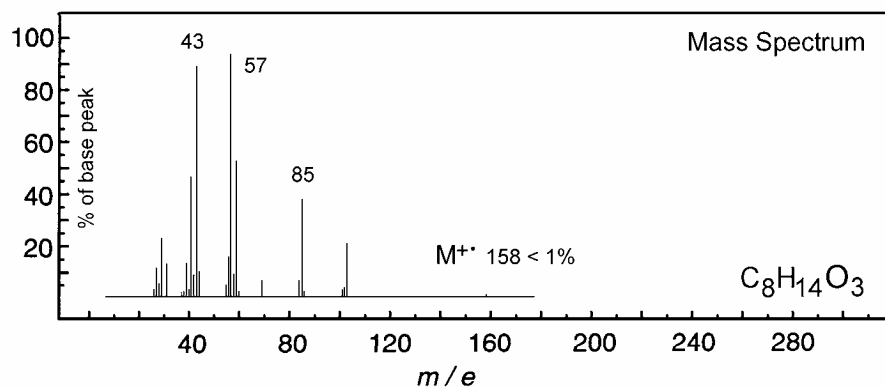
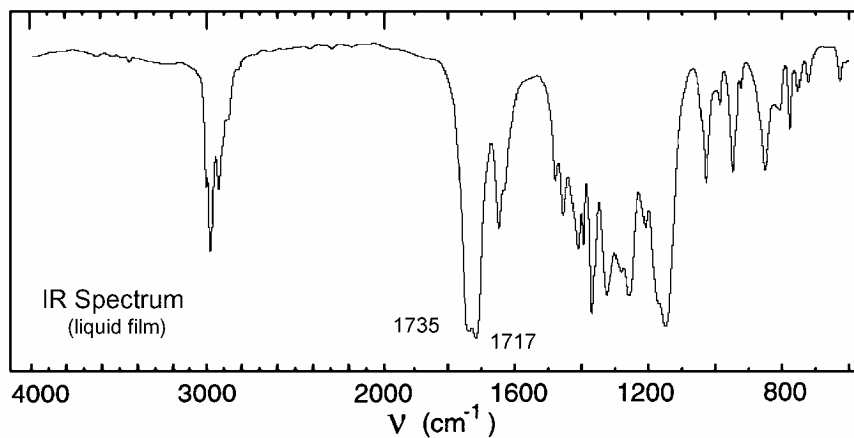
UV Spectrum

λ_{max} 241 nm ($\log_{10} \epsilon$ 4.1)

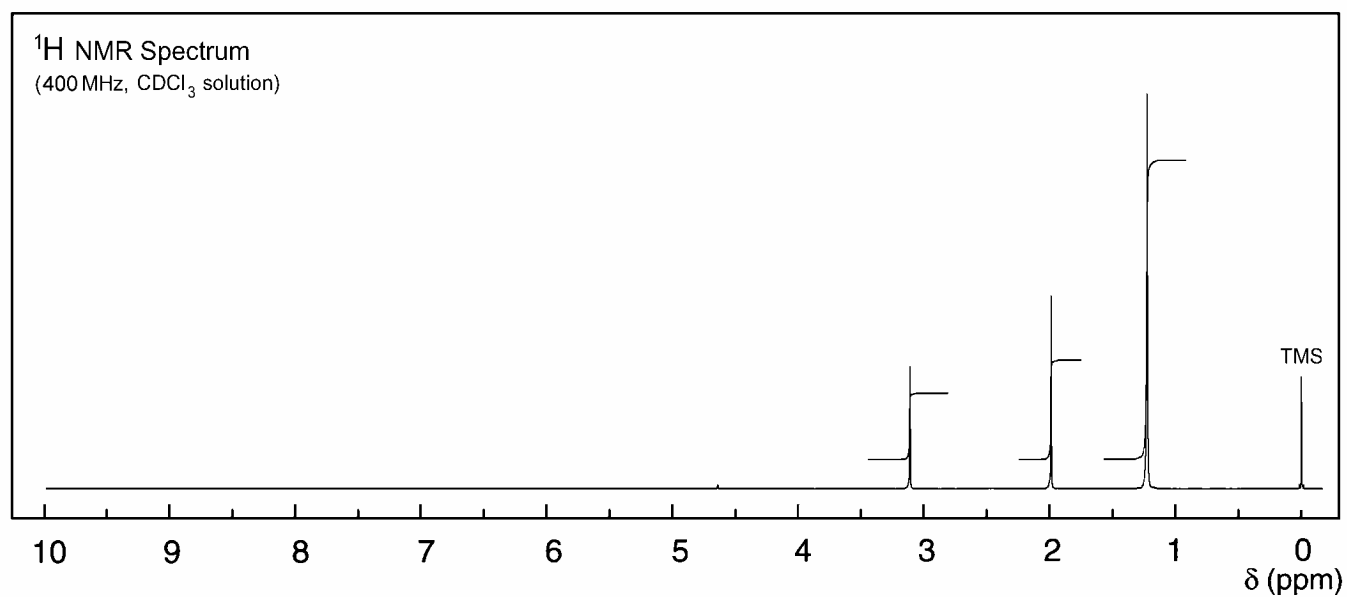
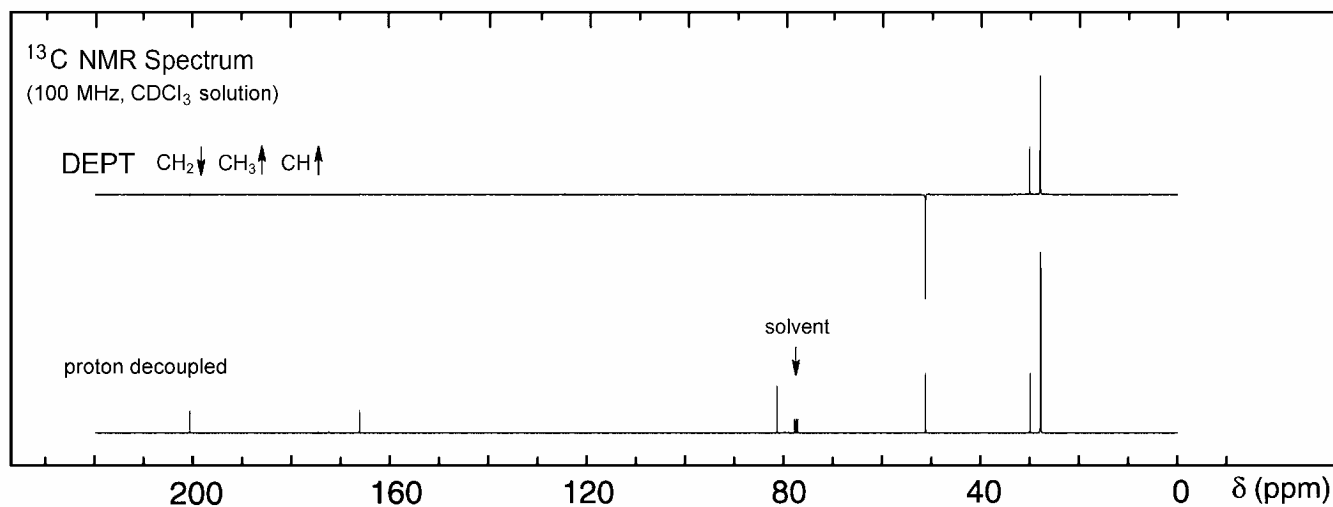
solvent : methanol



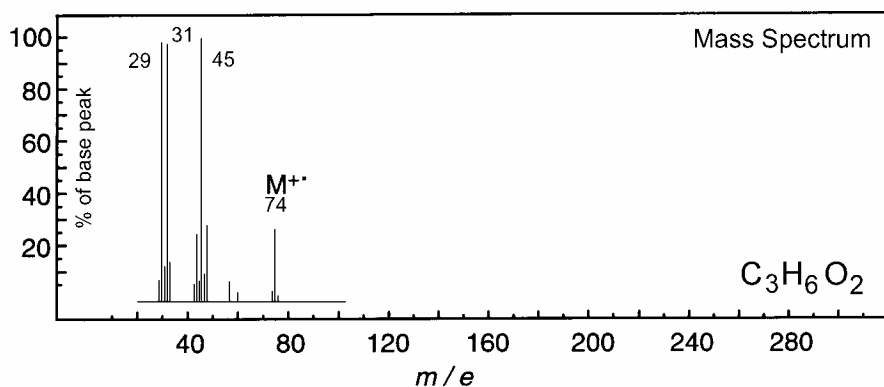
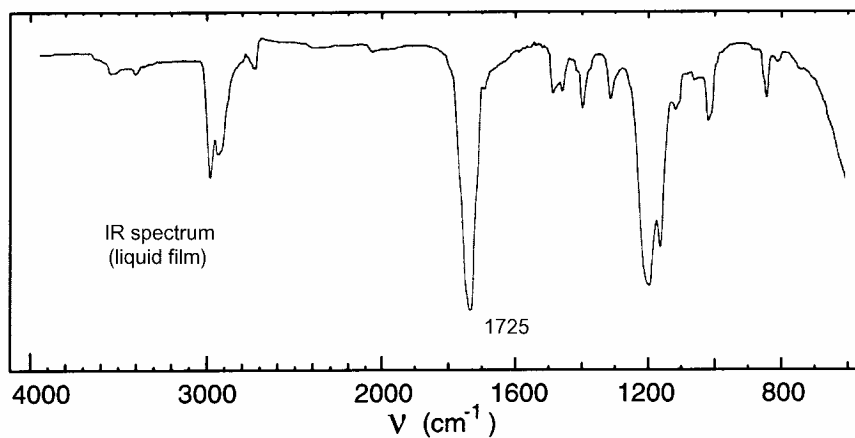
Problem 33



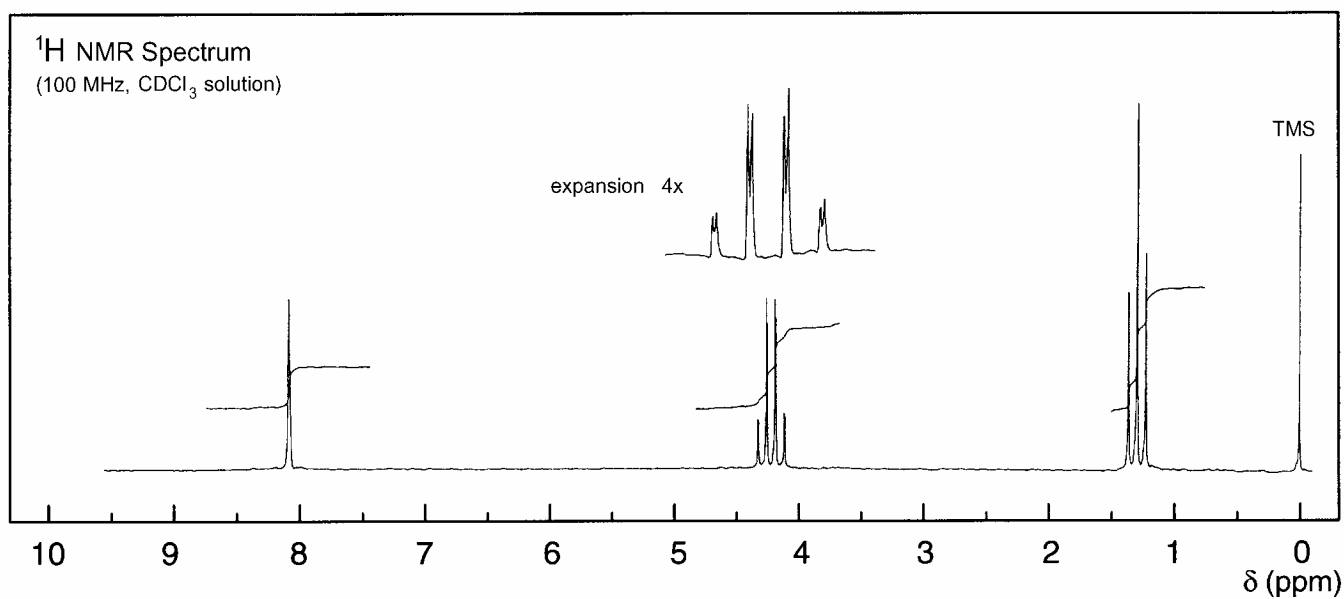
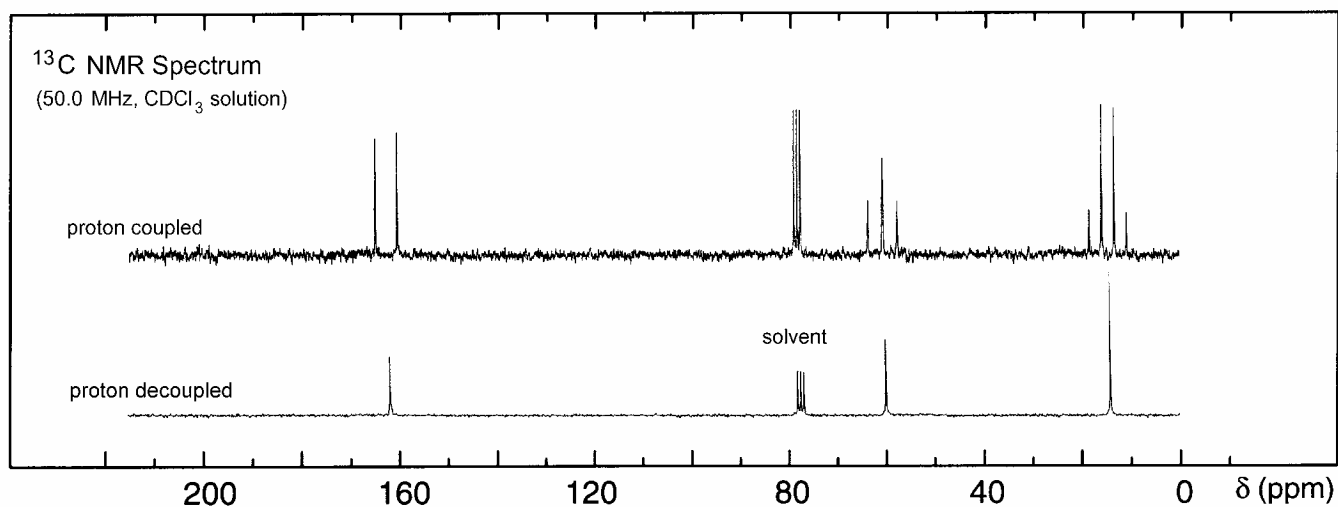
No significant UV
absorption above 220 nm



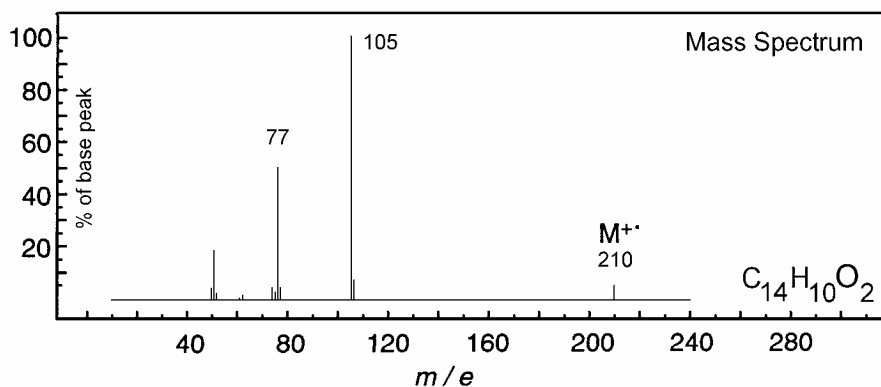
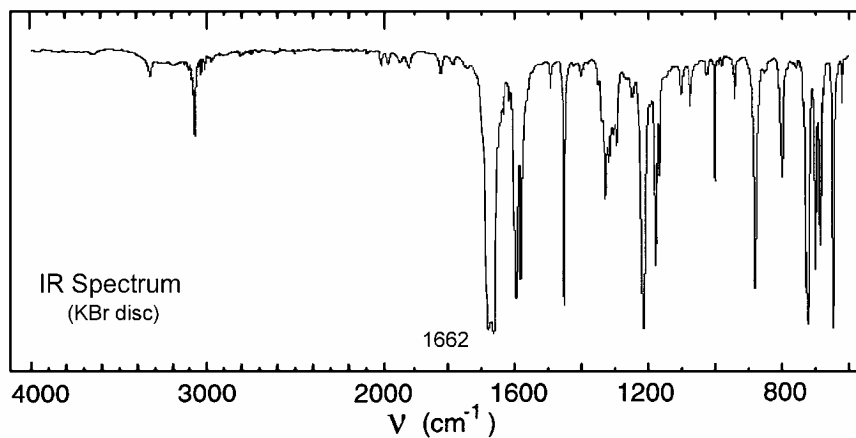
Problem 34



No significant UV
absorption above 210 nm



Problem 35



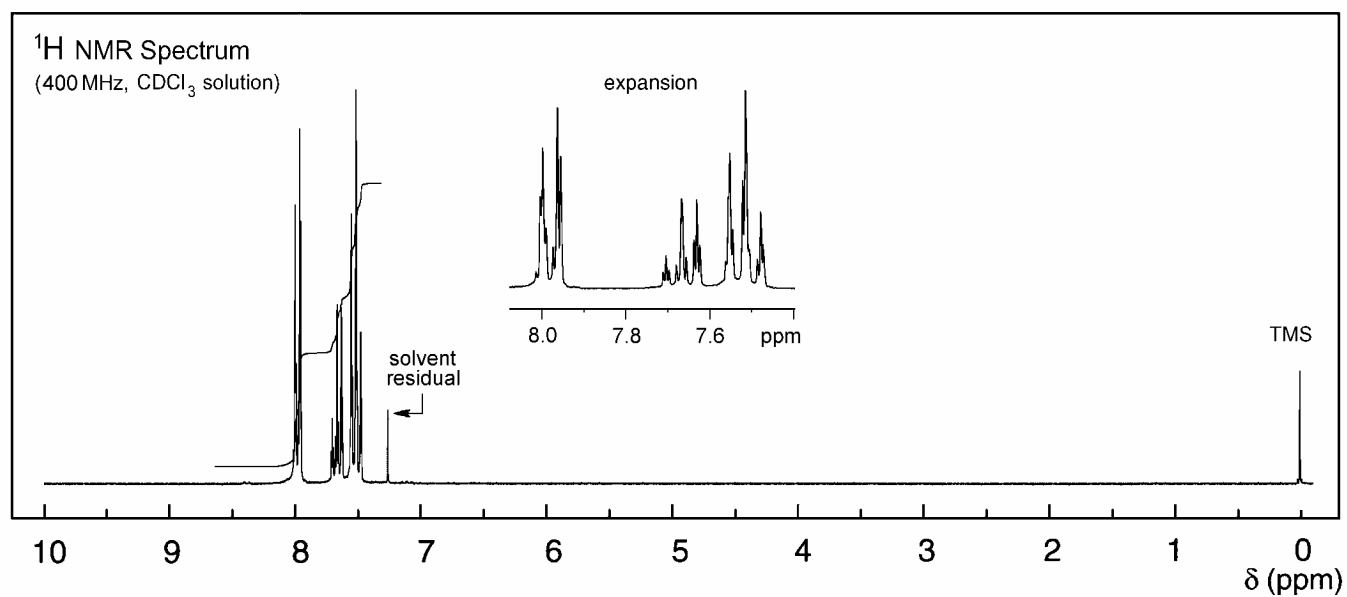
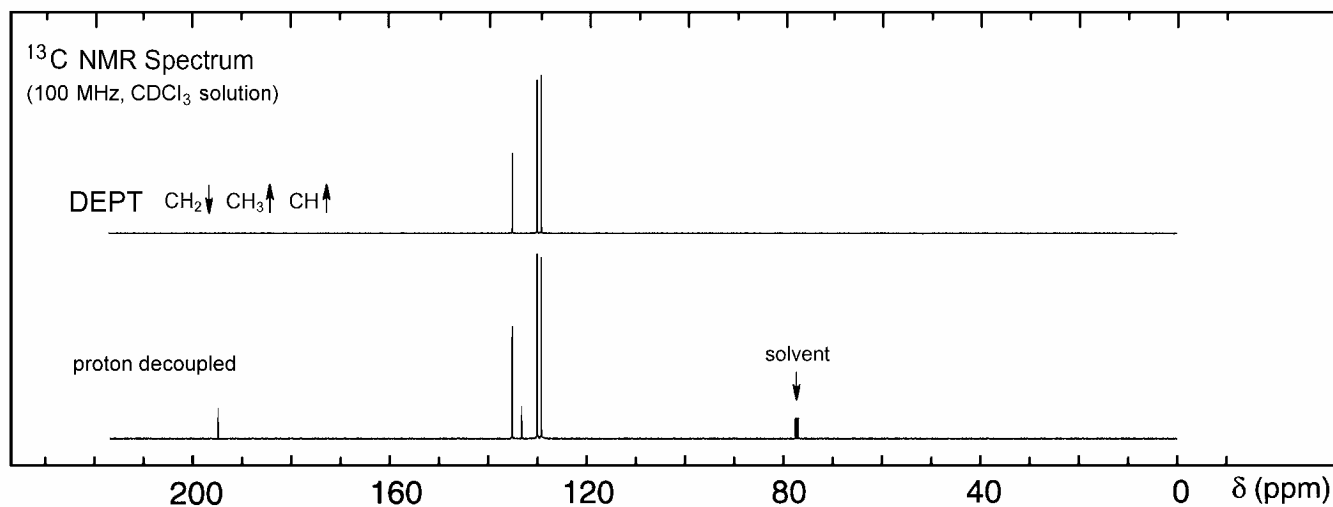
UV Spectrum

$\lambda_{\max}$ 258 nm ($\log_{10} \epsilon$ 4.2)

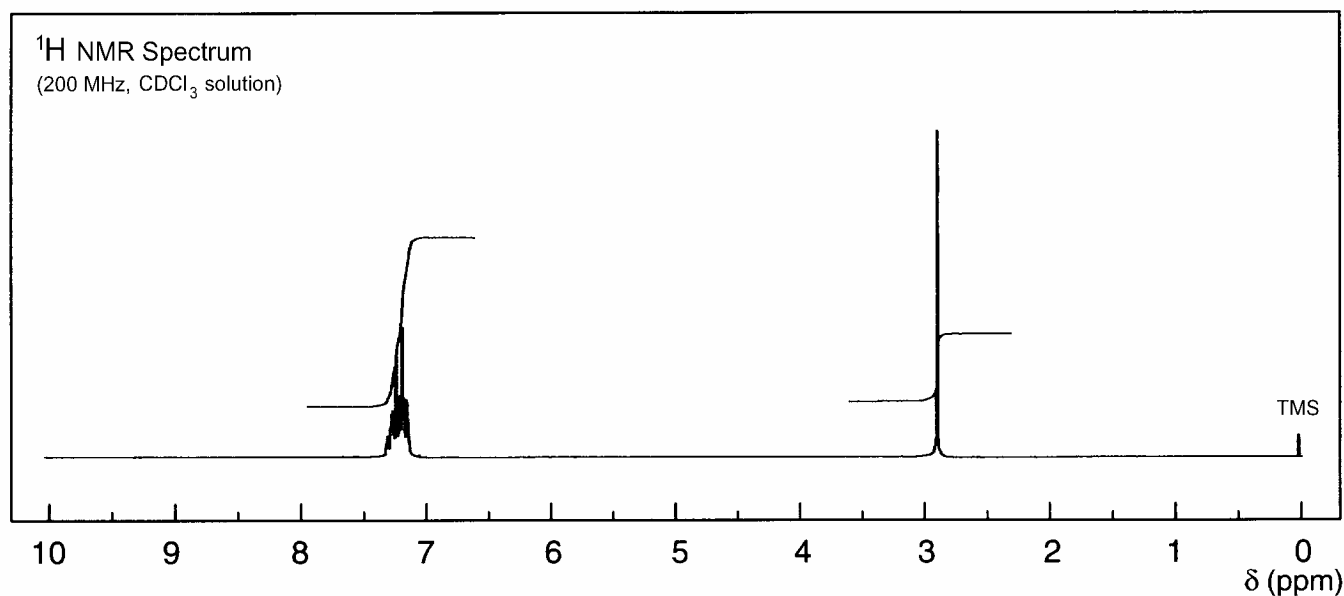
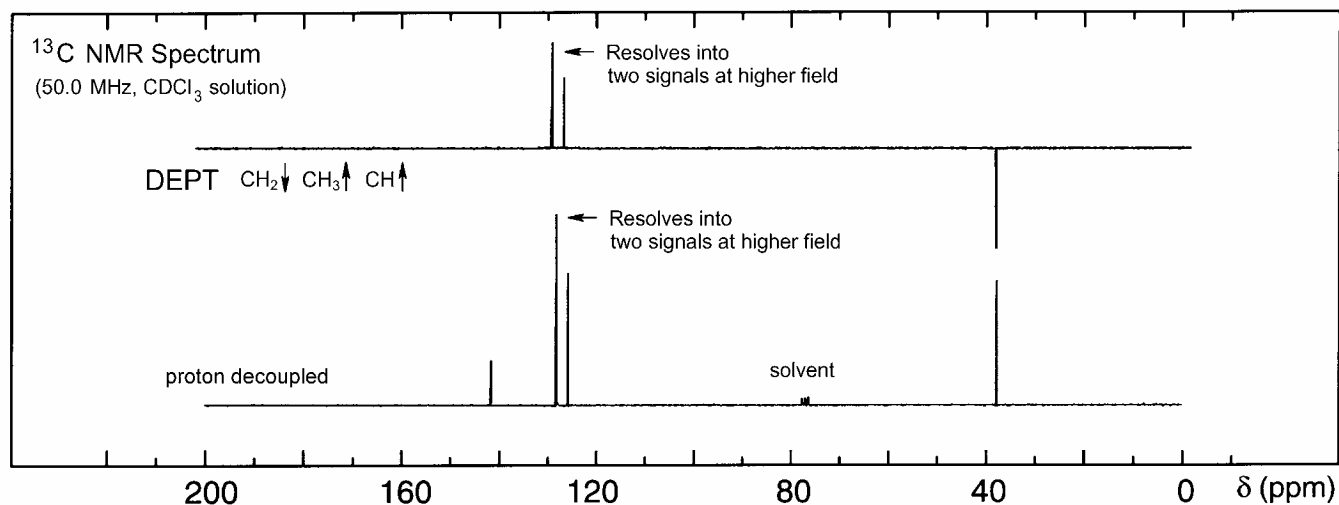
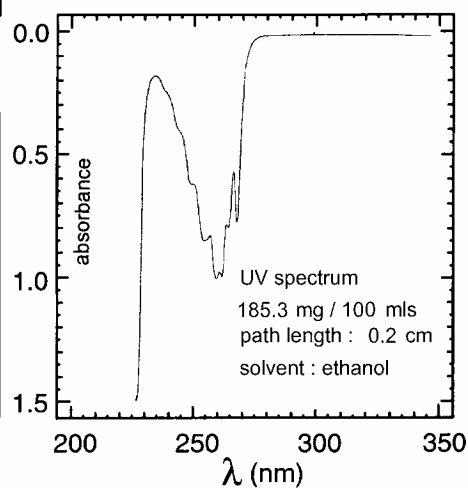
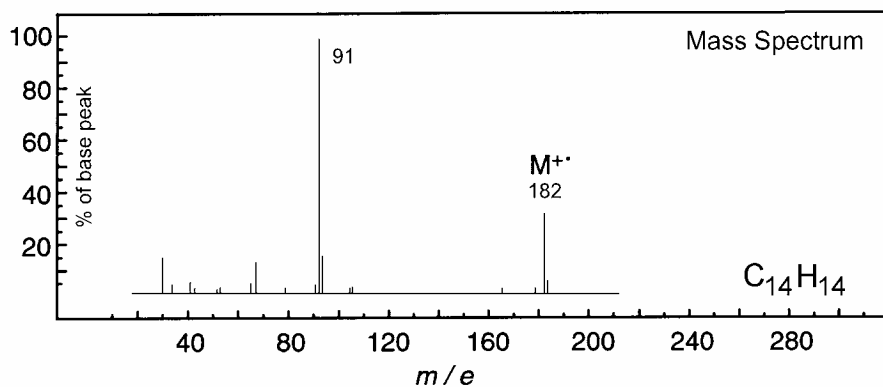
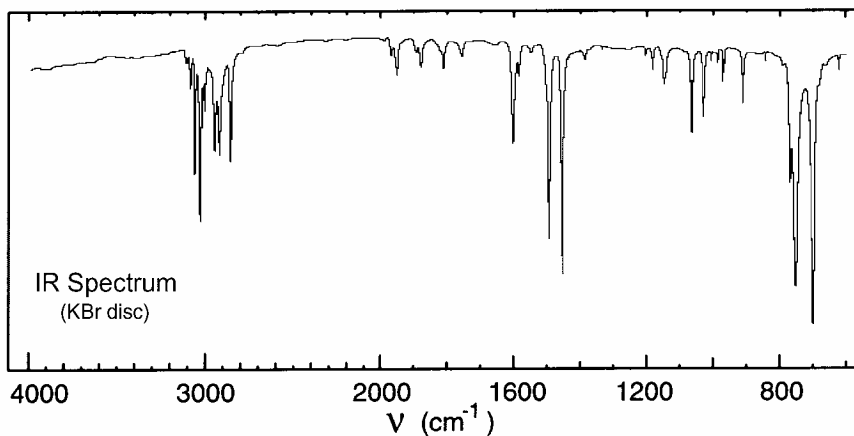
$\lambda_{\max}$ 330 nm ($\log_{10} \epsilon$ 2.8)

$\lambda_{\max}$ 388 nm ($\log_{10} \epsilon$ 2.2)

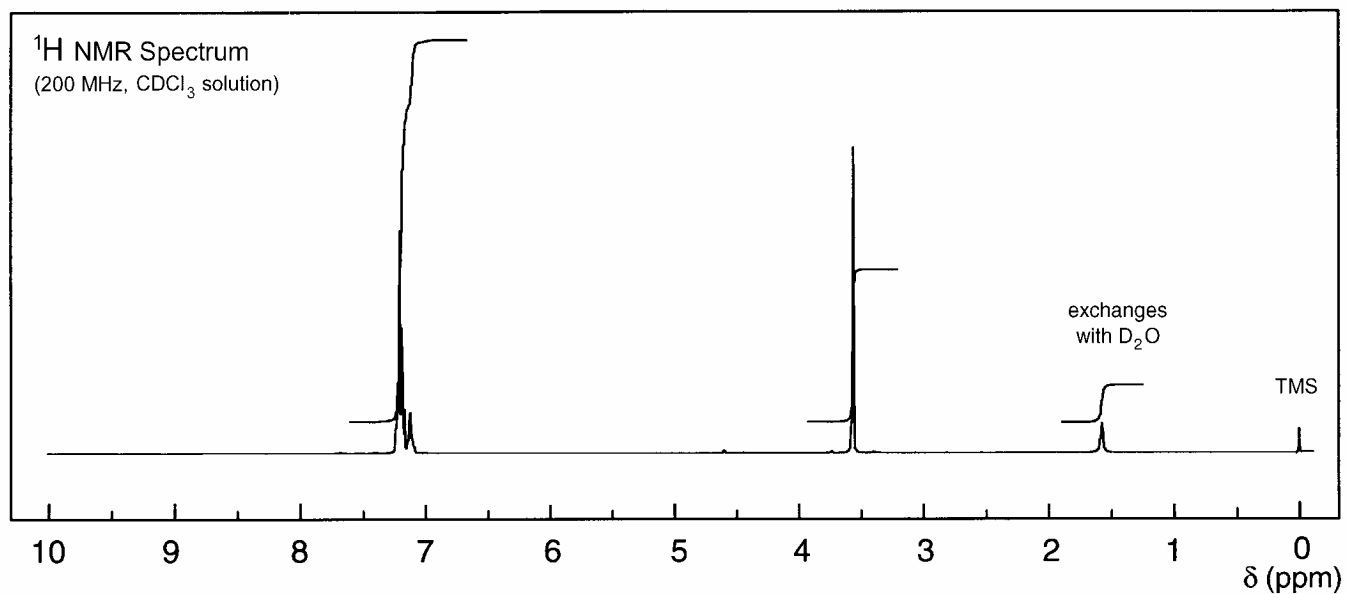
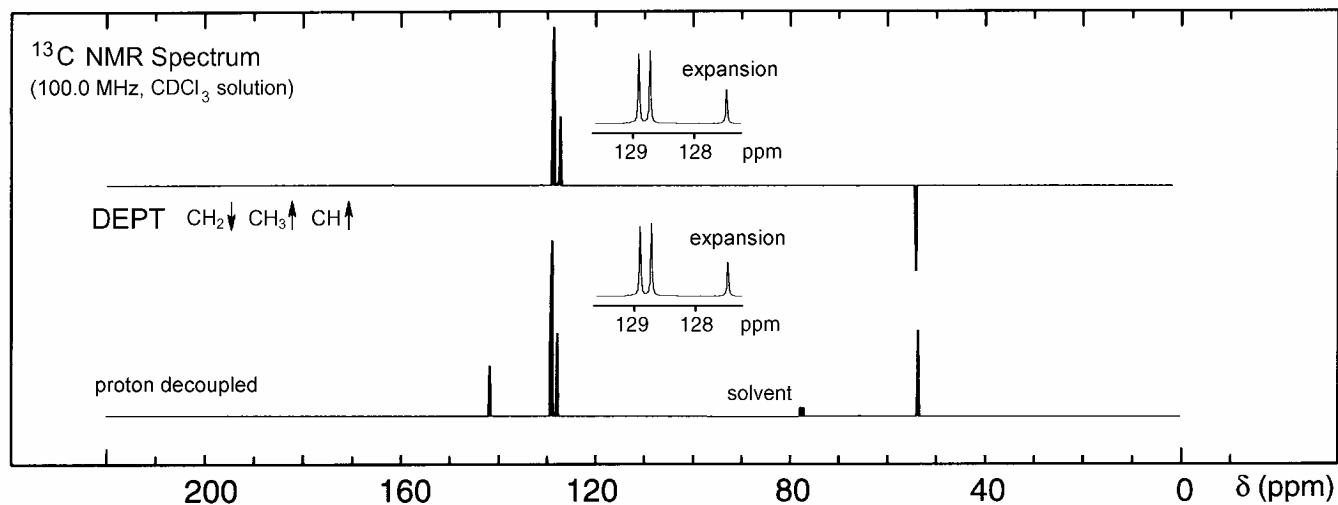
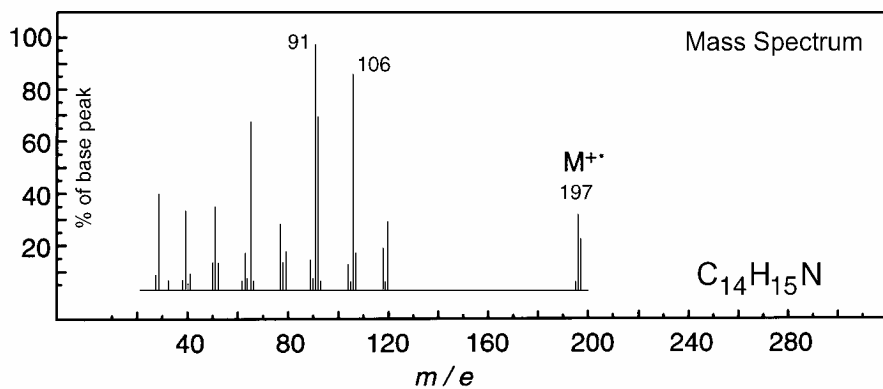
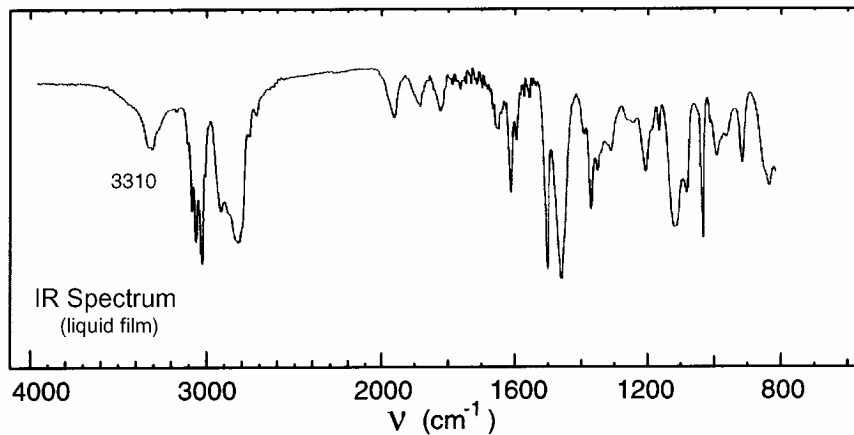
solvent : ethanol



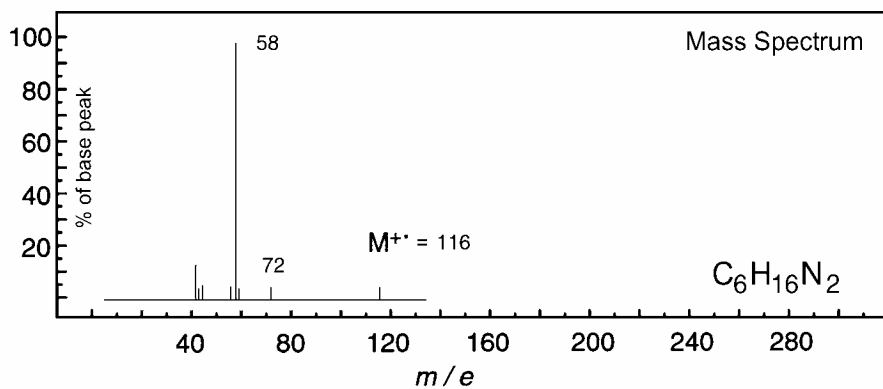
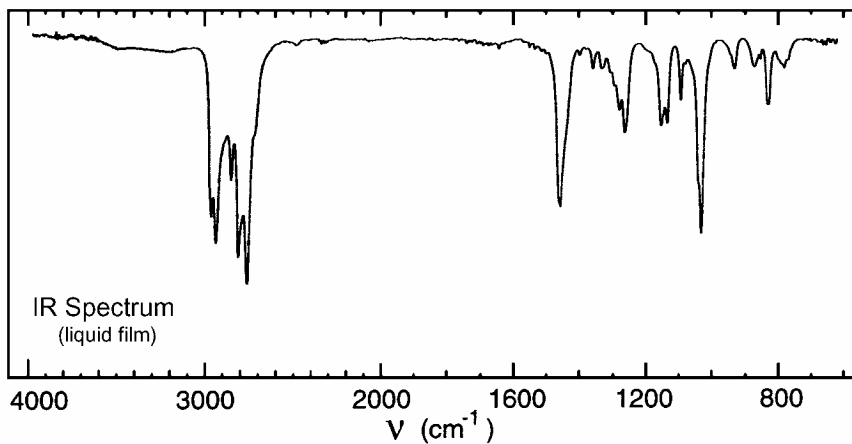
Problem 36



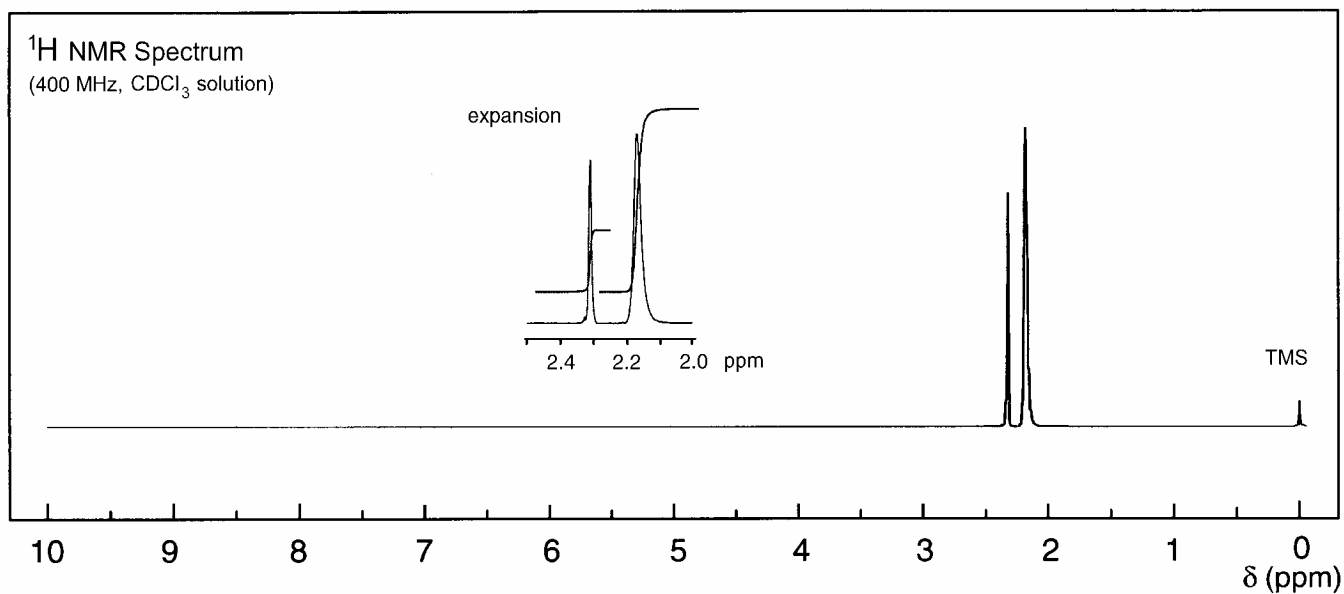
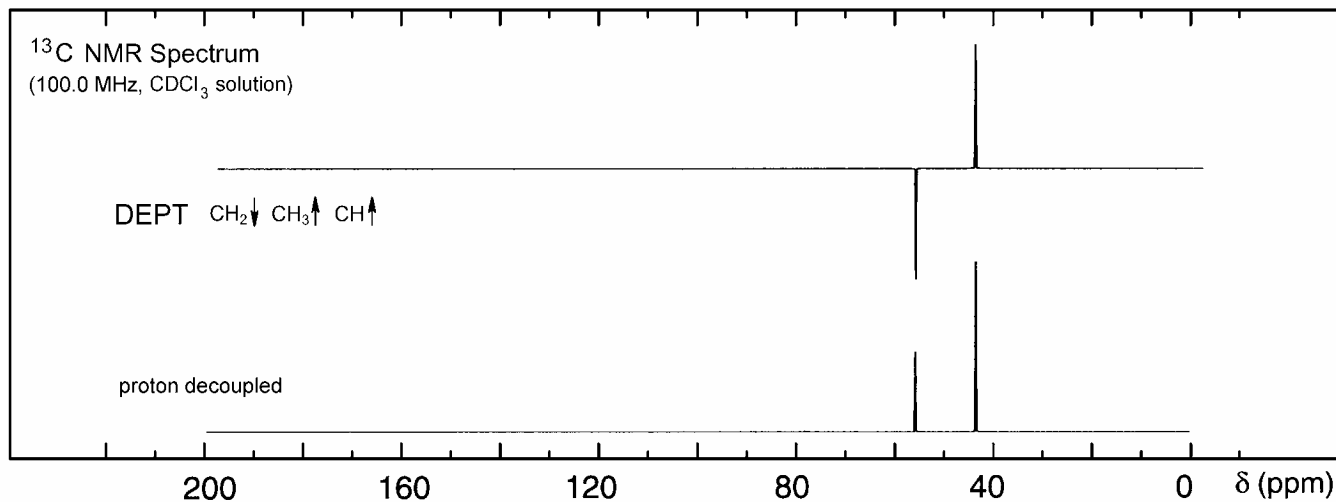
Problem 37



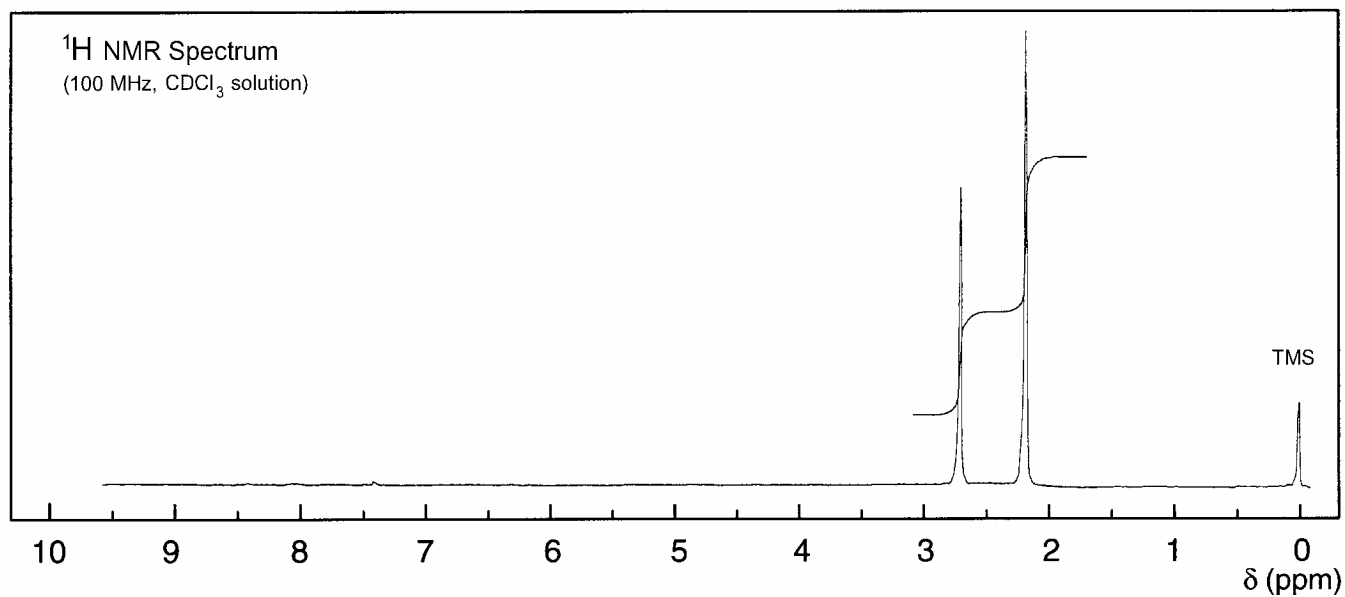
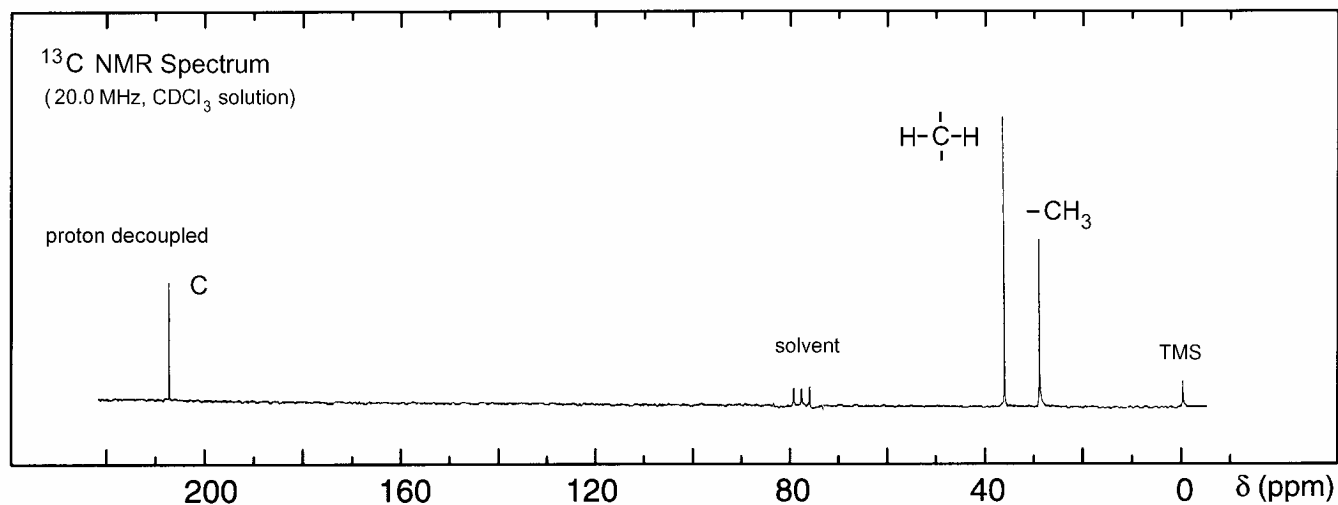
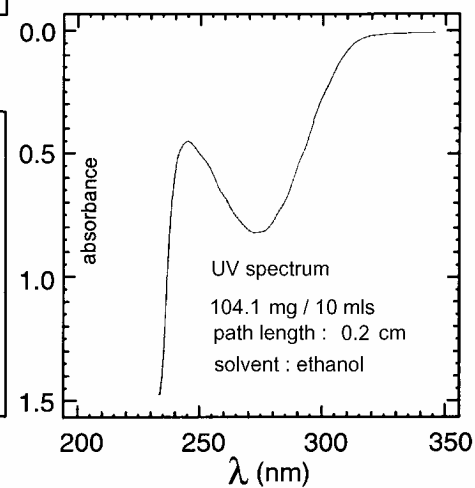
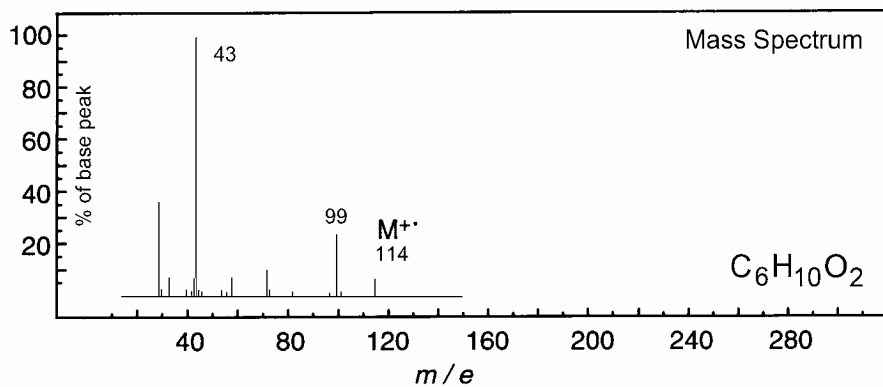
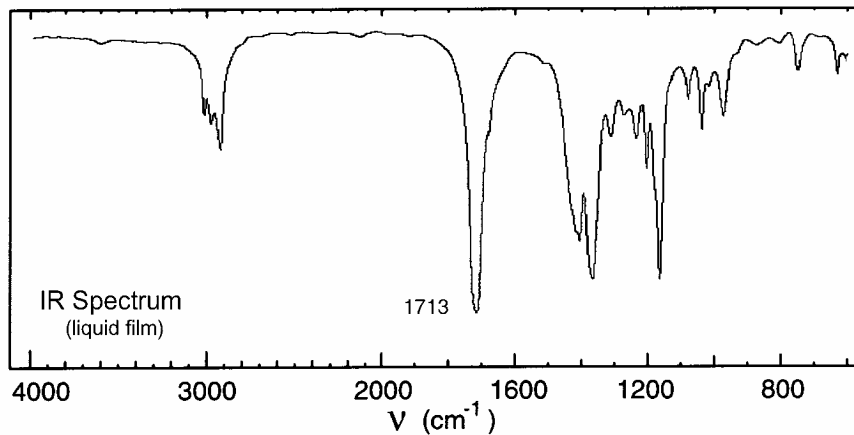
Problem 38



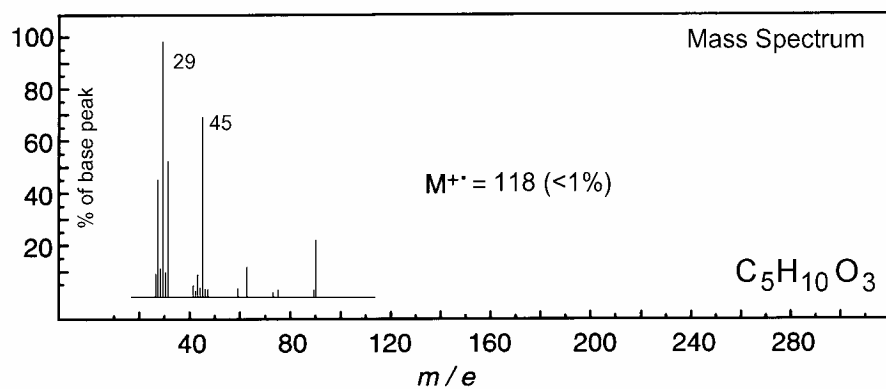
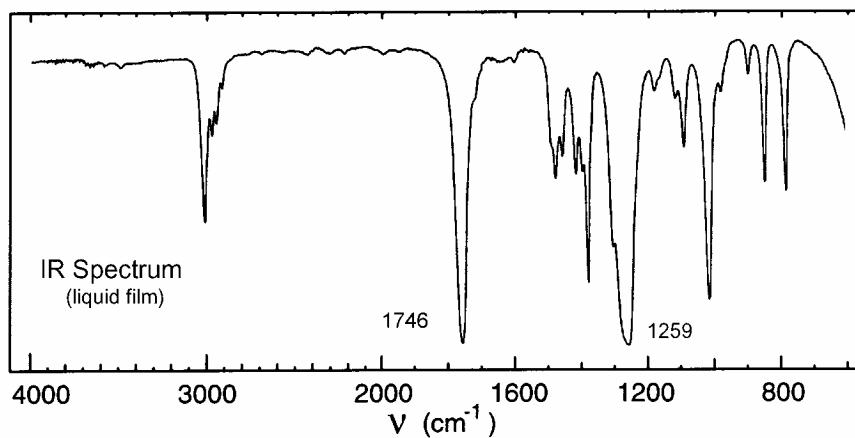
No significant UV
absorption above 220 nm



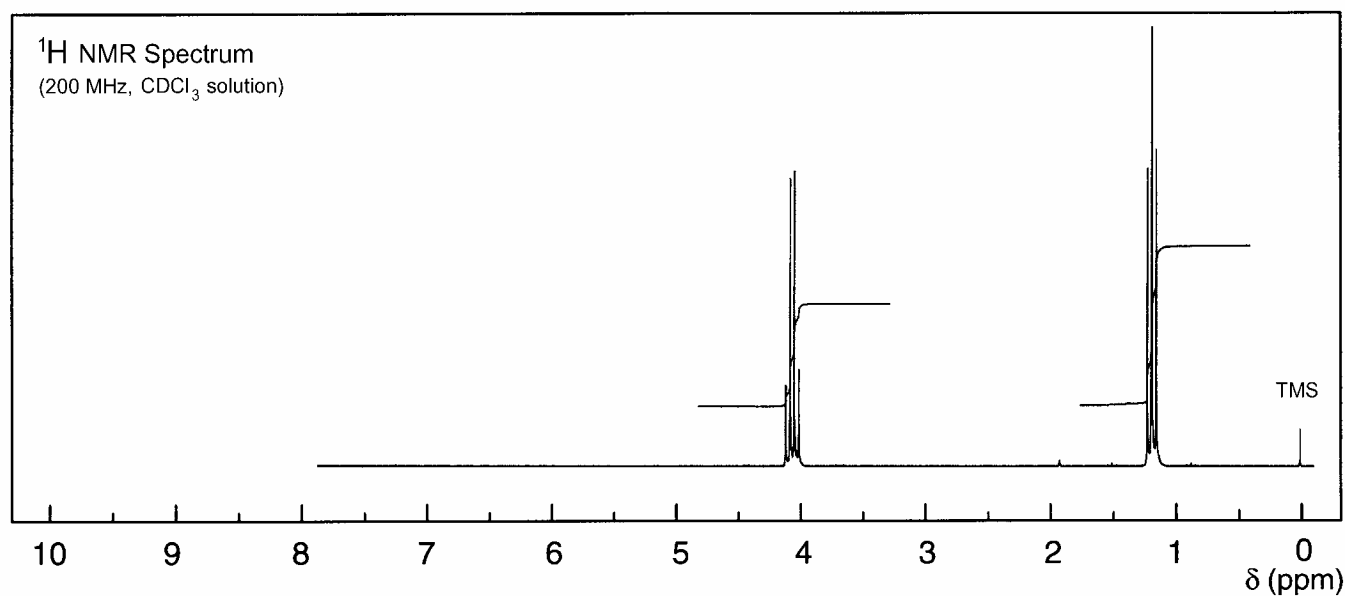
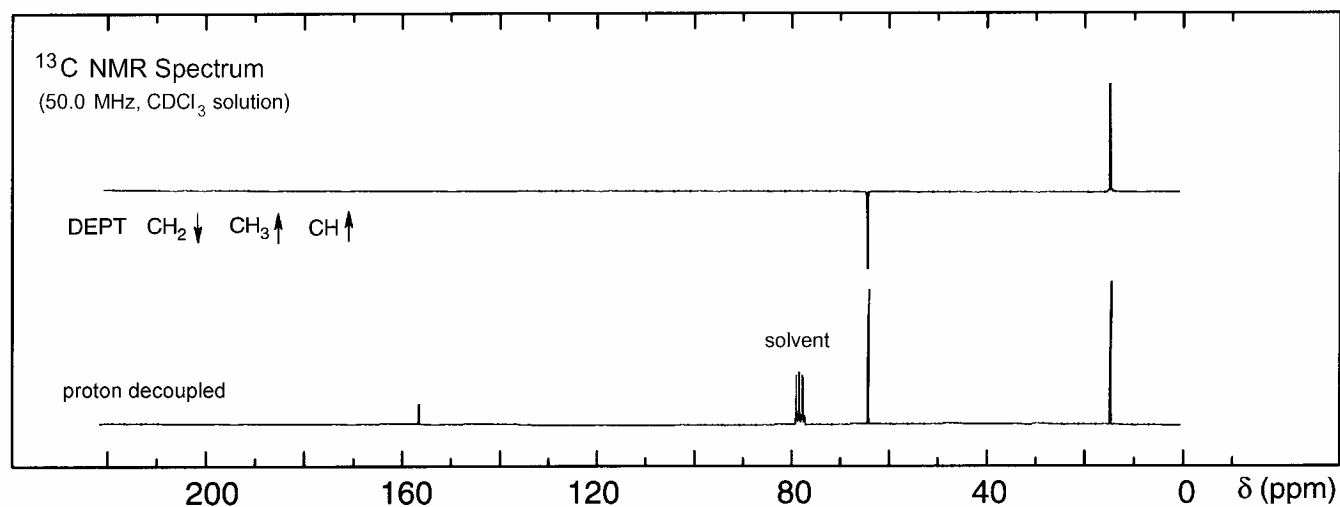
Problem 39



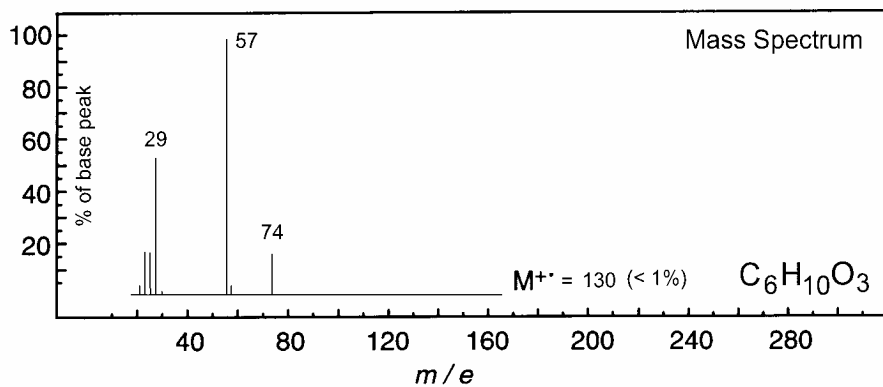
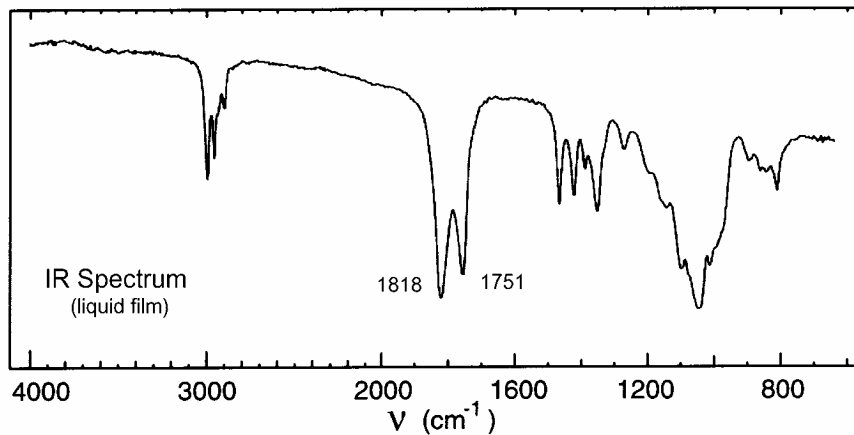
Problem 40



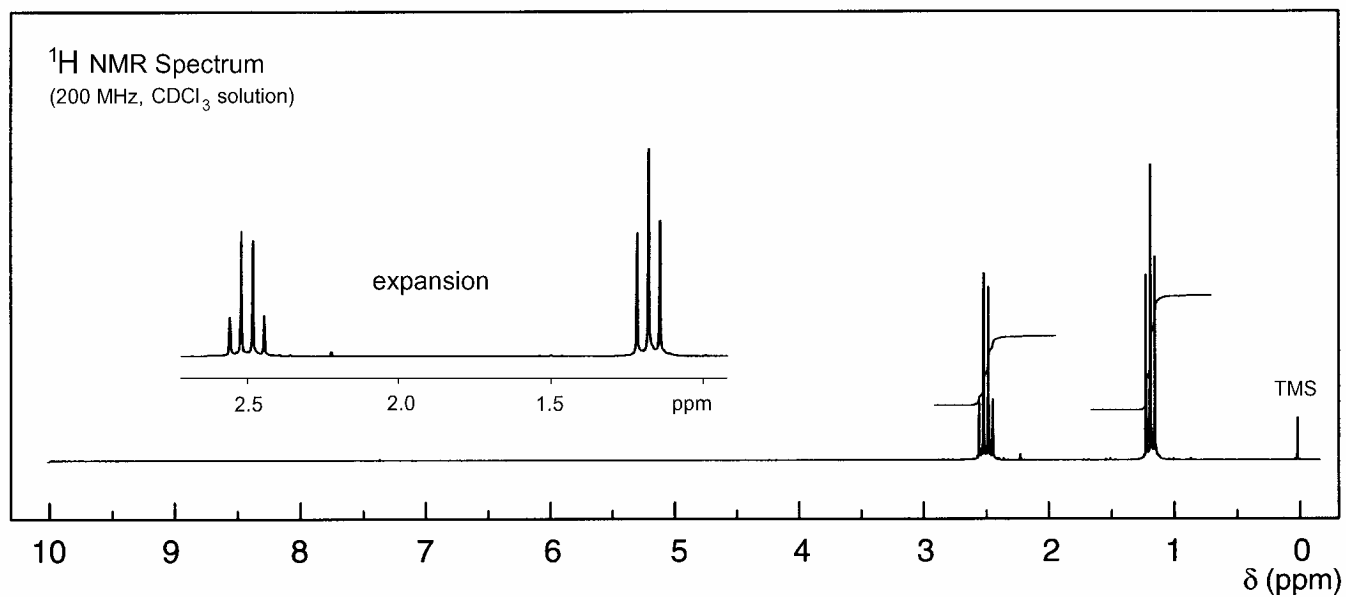
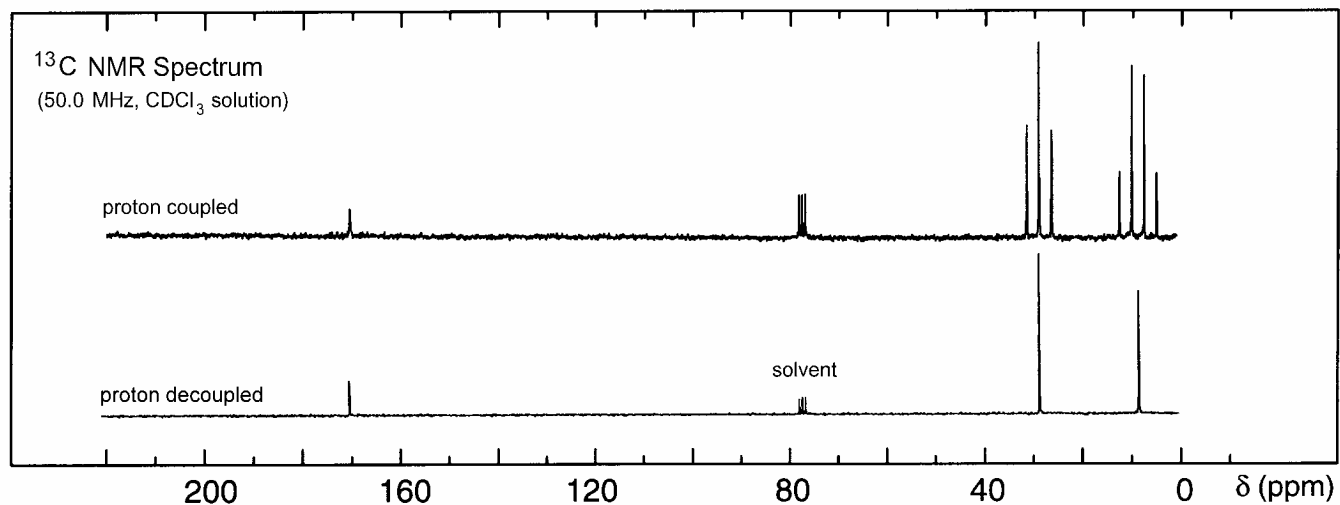
No significant UV
absorption above 220 nm



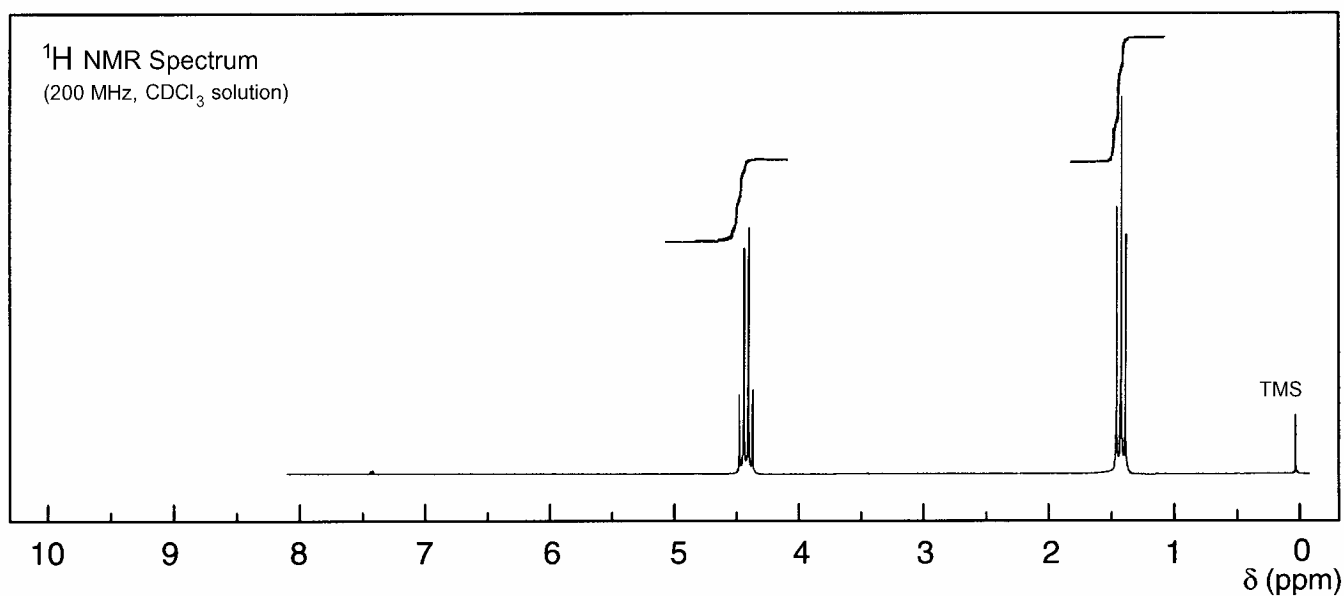
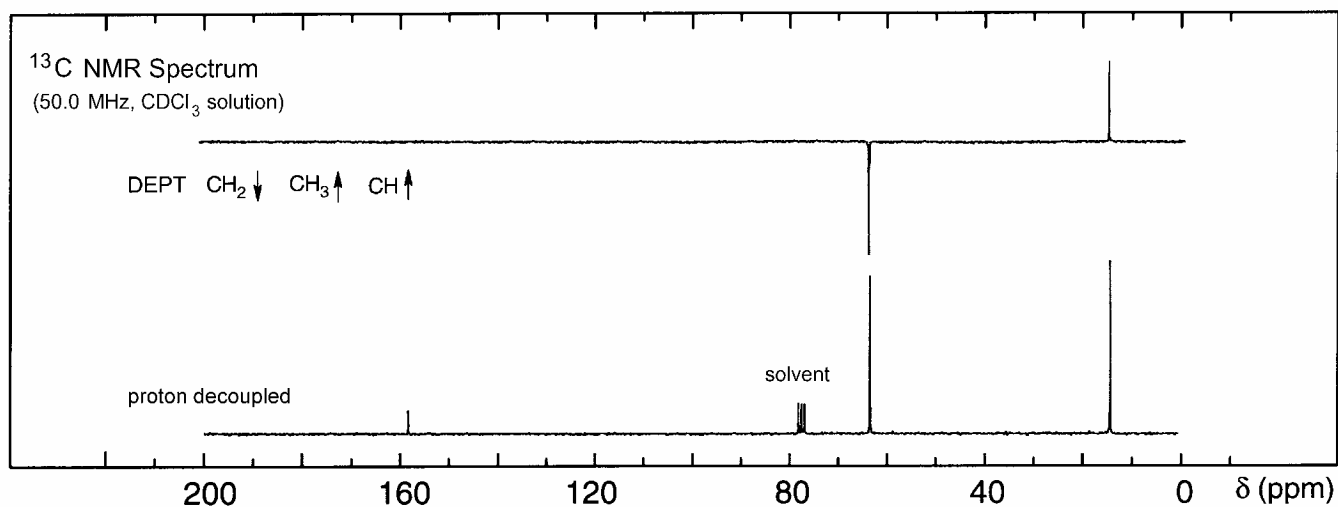
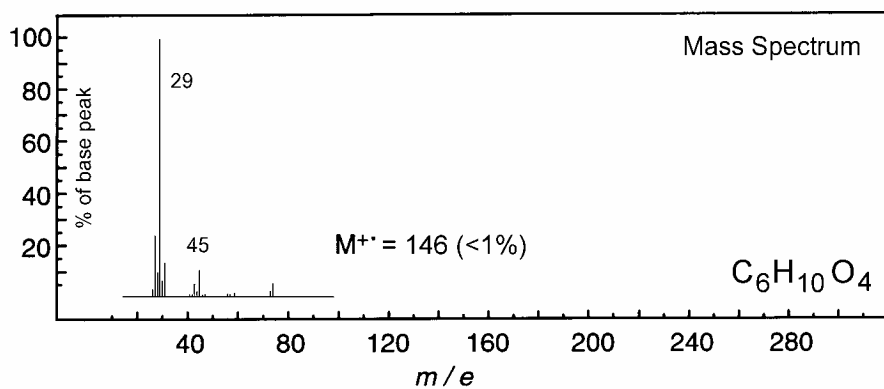
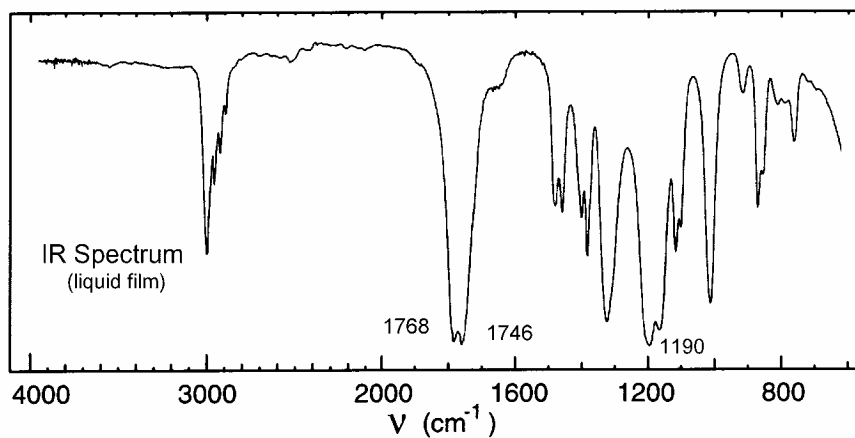
Problem 41



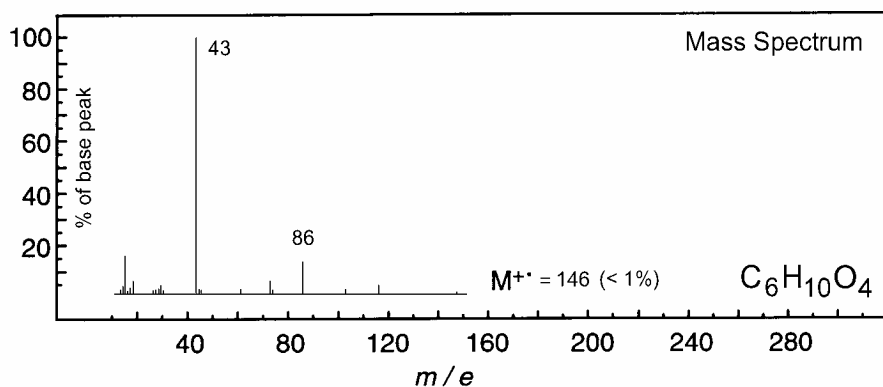
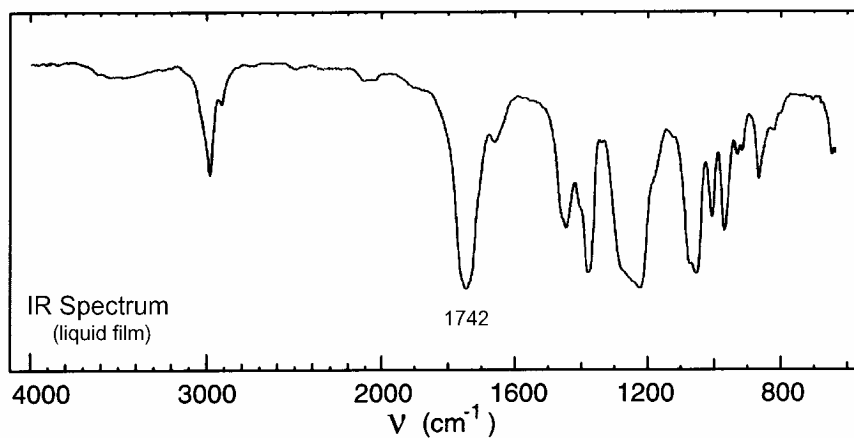
No significant UV
absorption above 220 nm



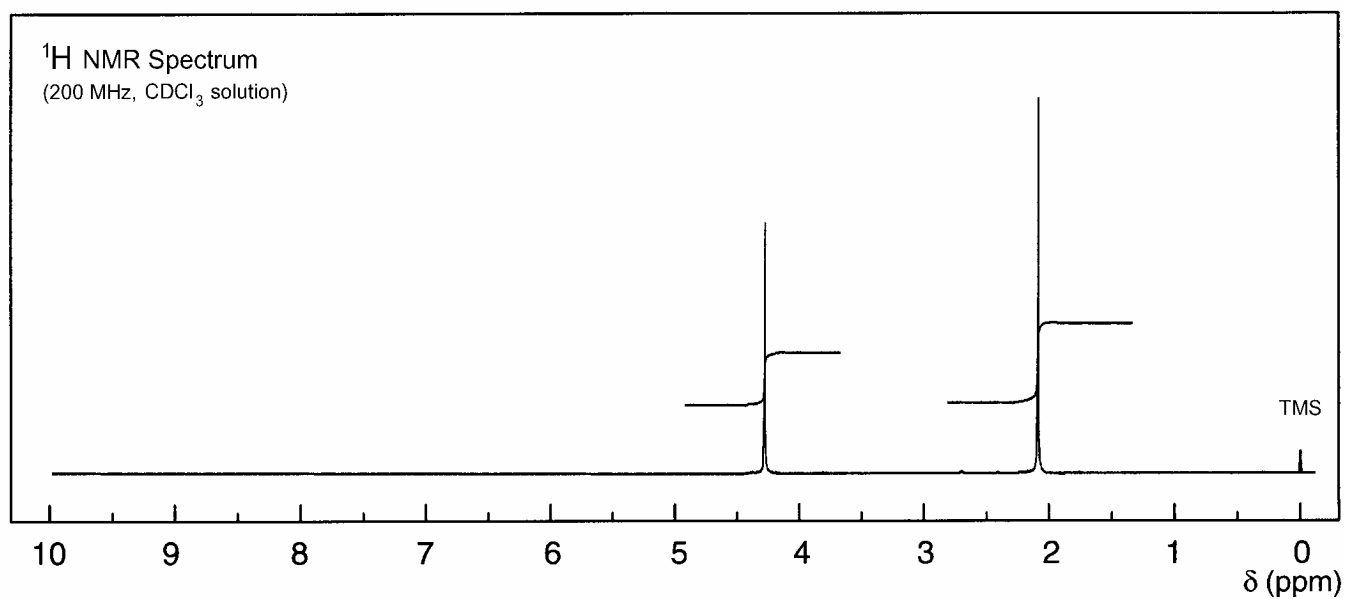
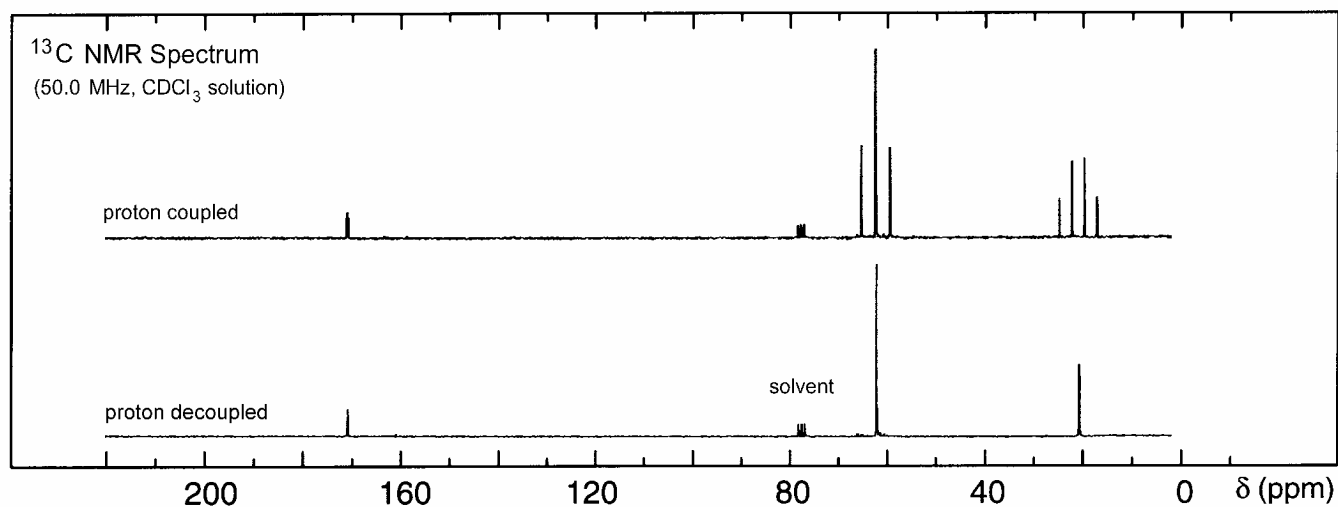
Problem 42



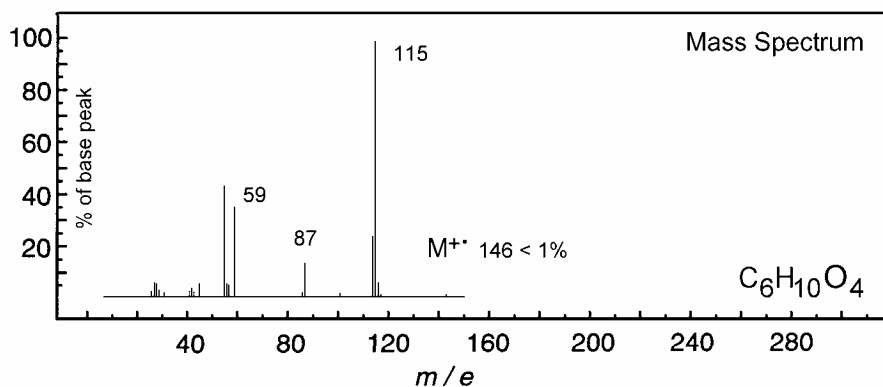
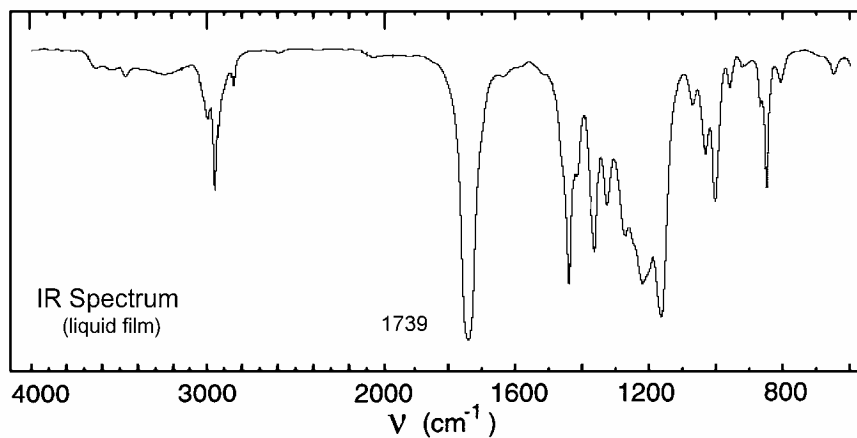
Problem 43



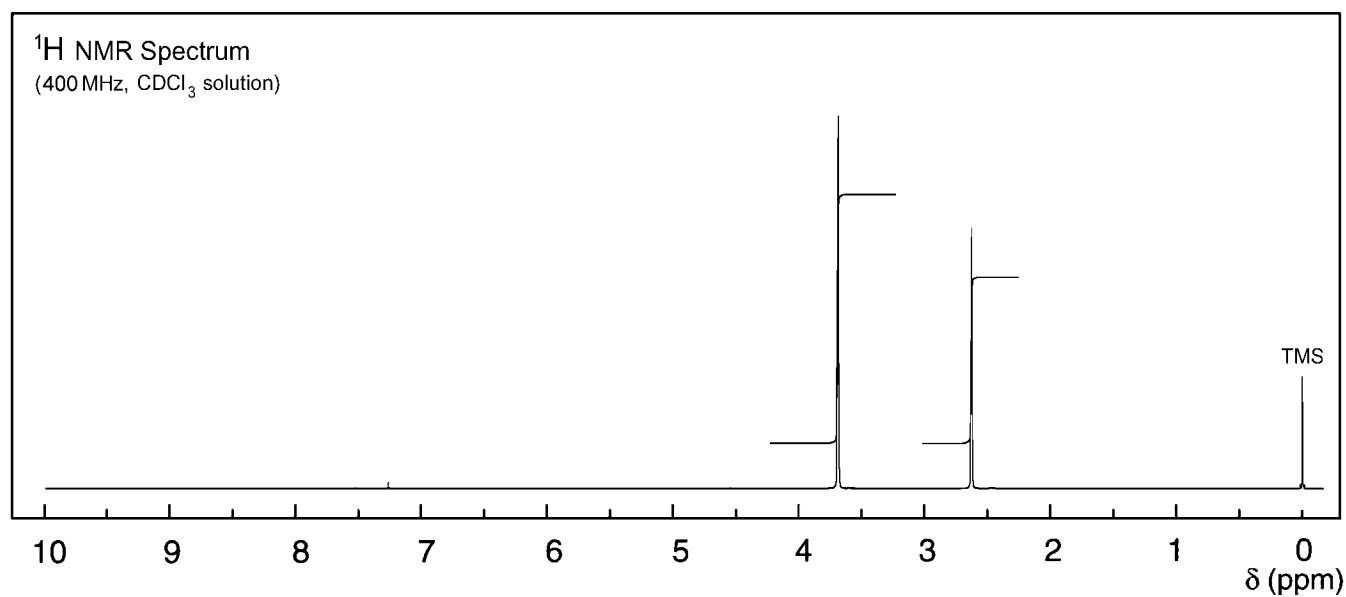
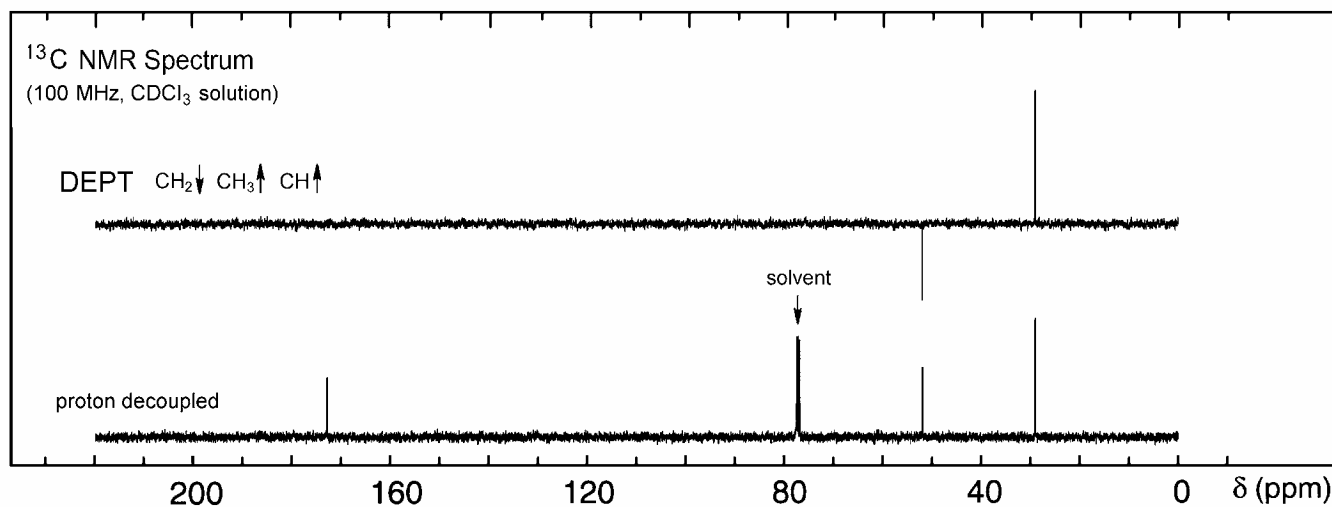
No significant UV
absorption above 220 nm



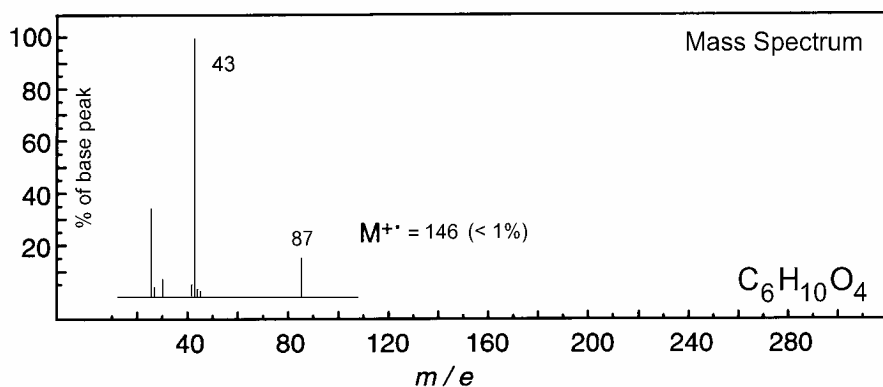
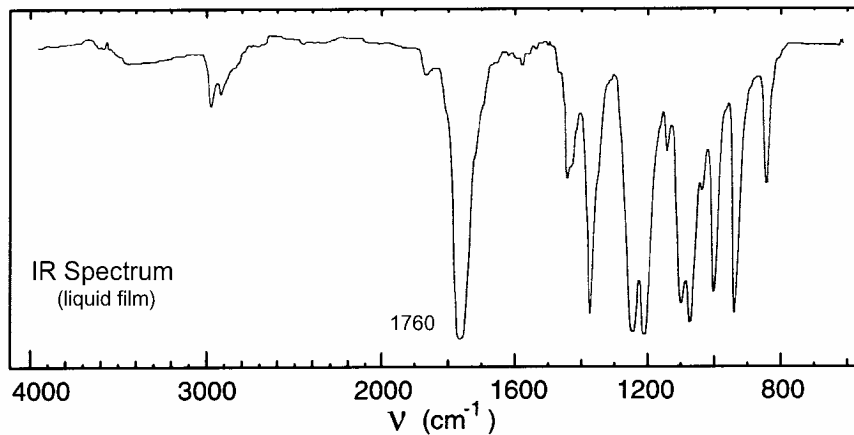
Problem 44



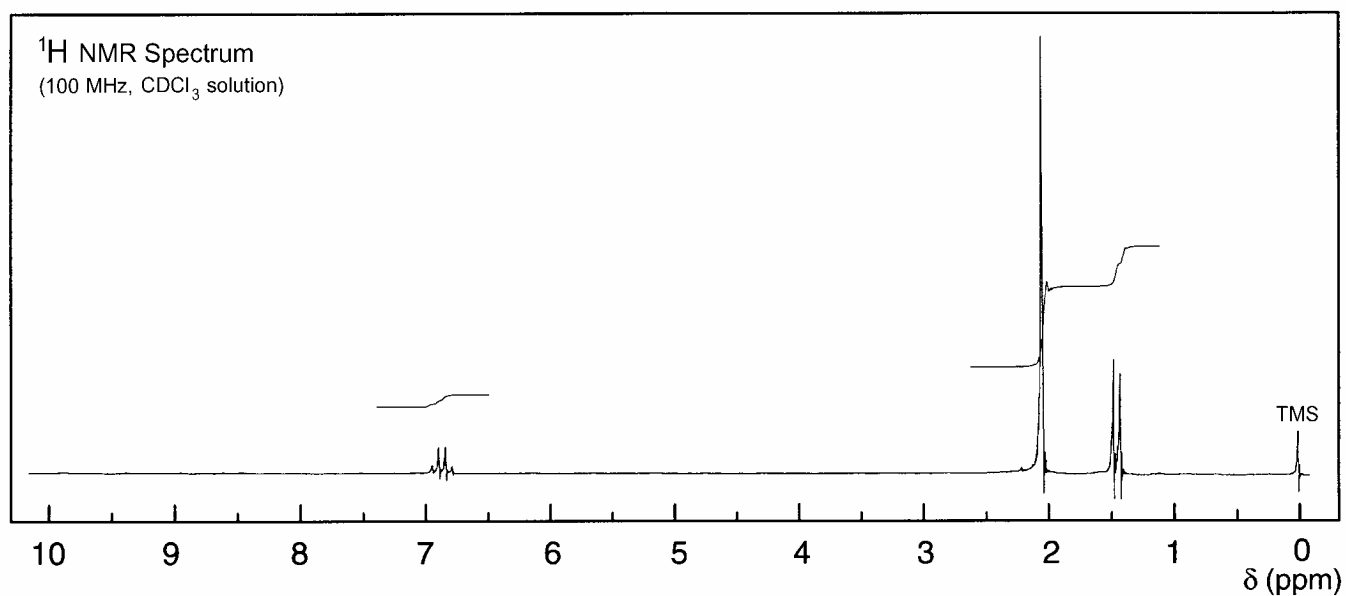
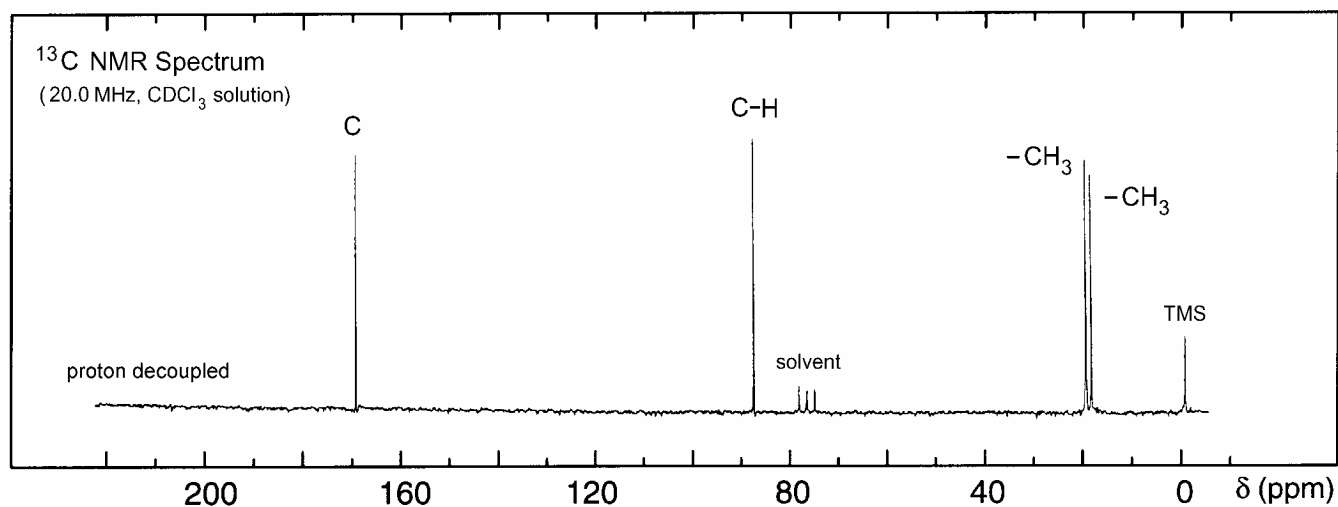
No significant UV
absorption above 220 nm



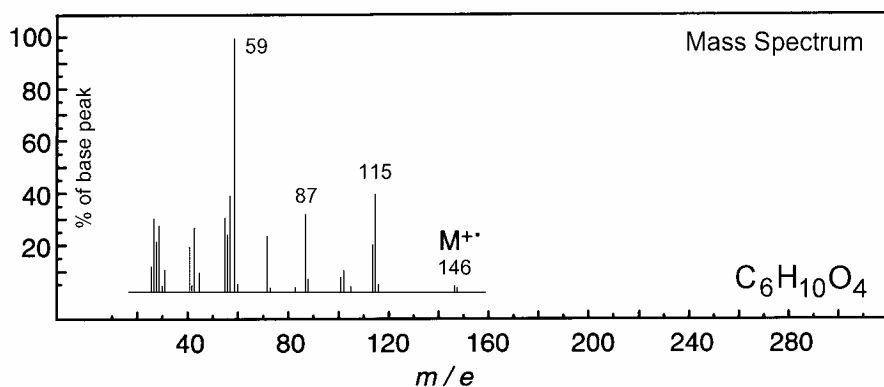
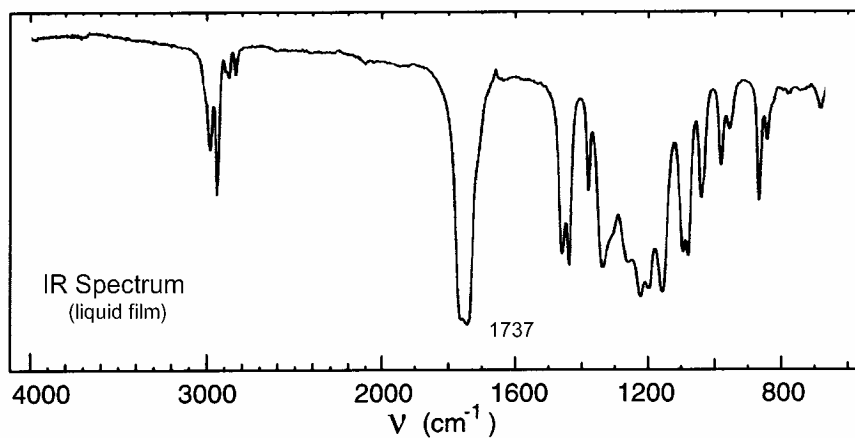
Problem 45



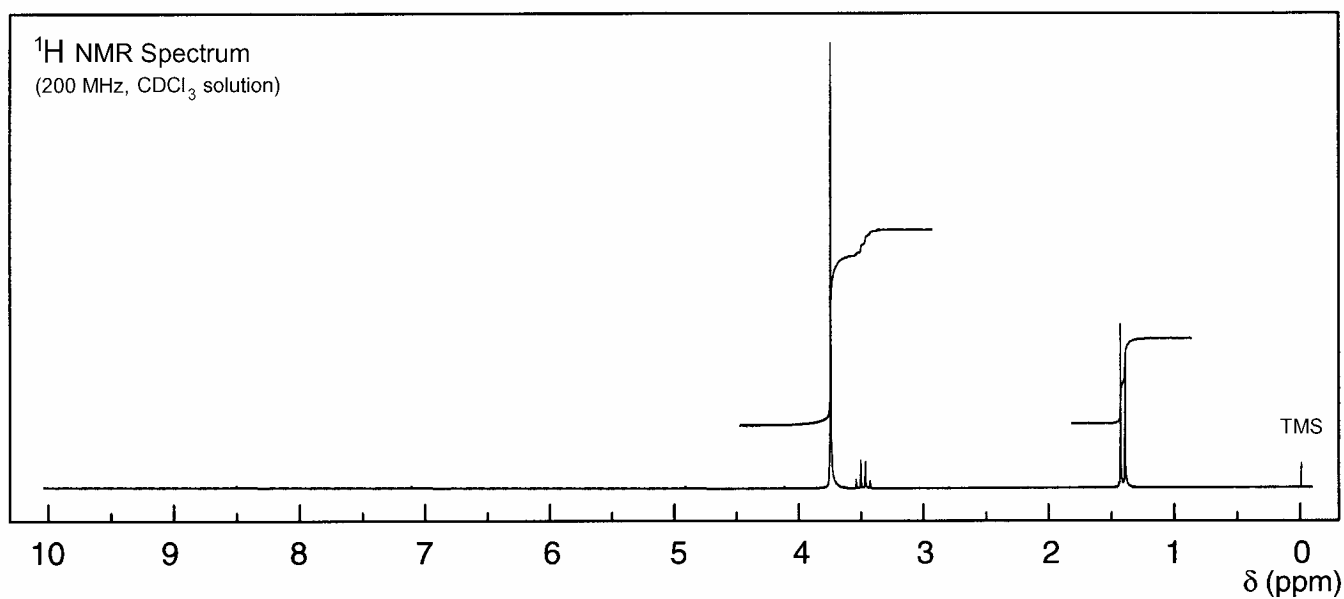
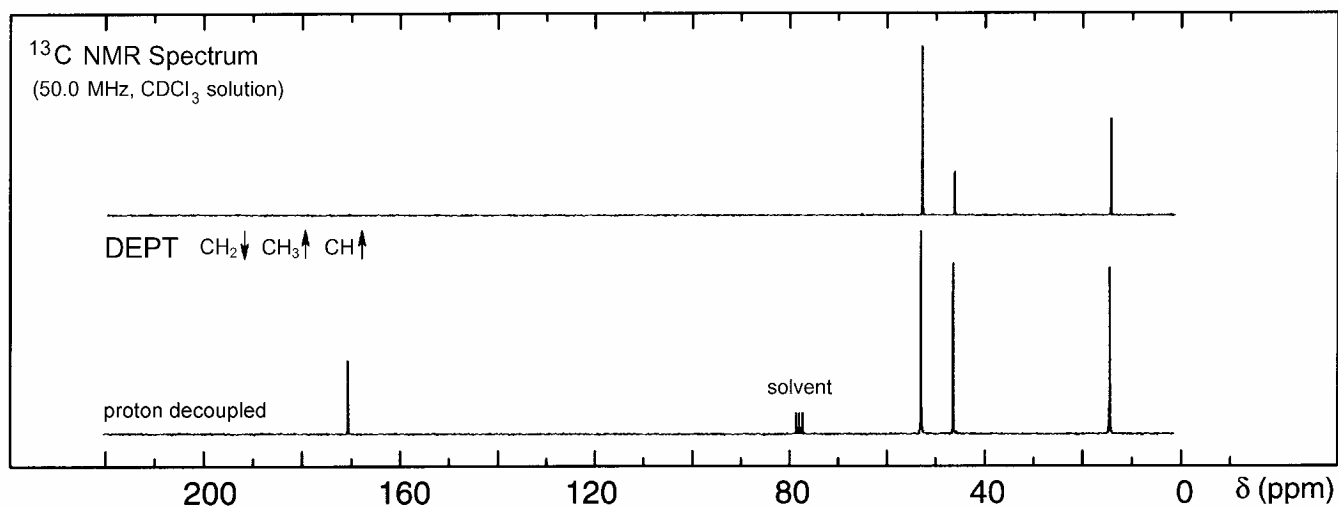
No significant UV
absorption above 220 nm



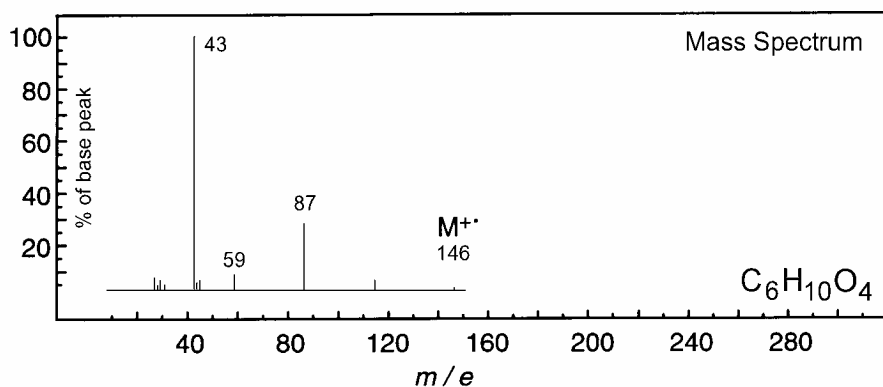
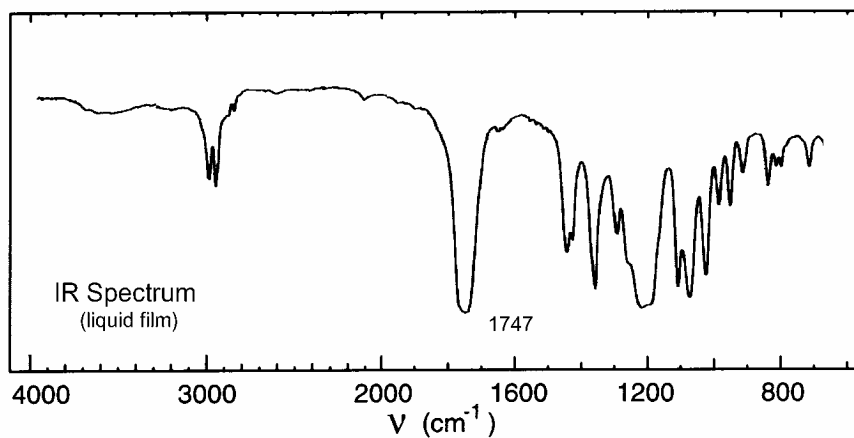
Problem 46



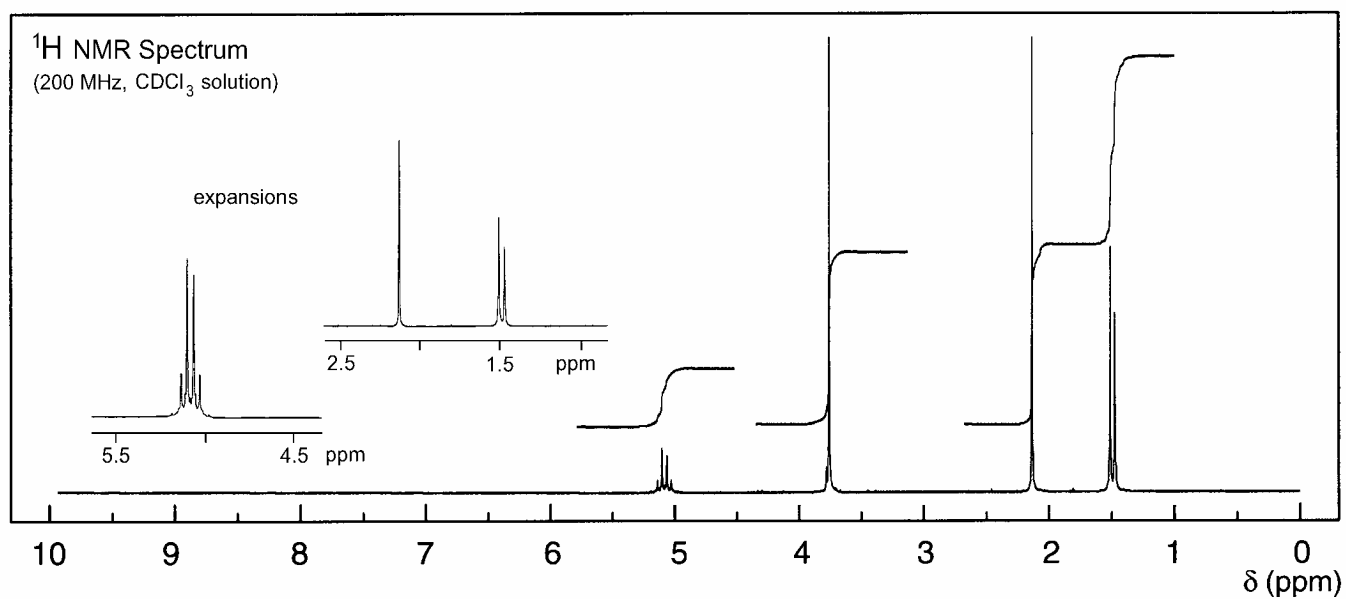
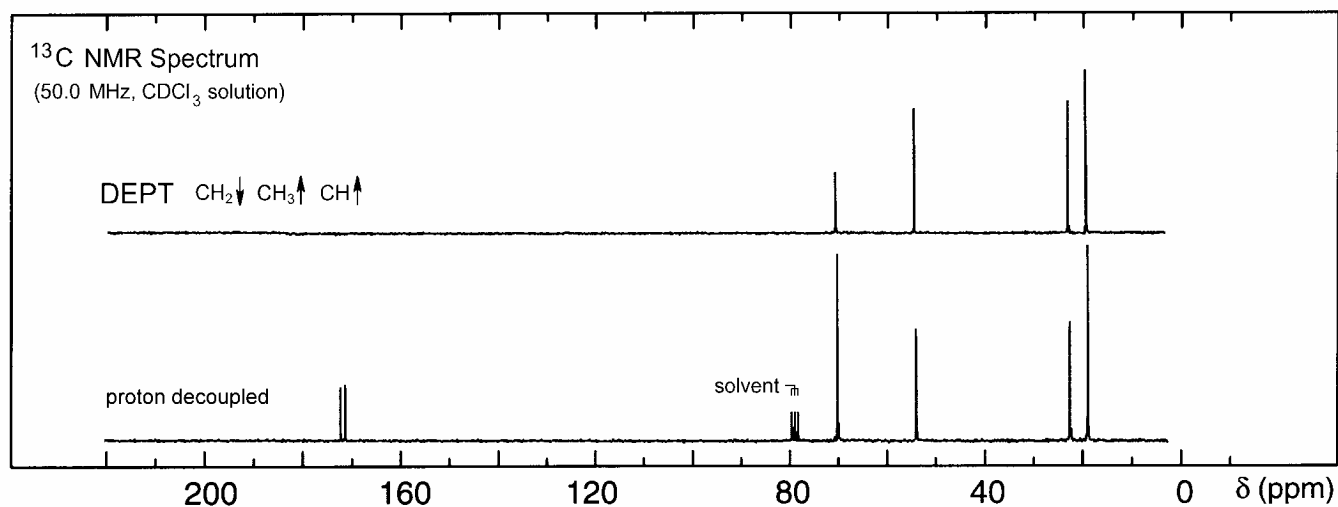
No significant UV
absorption above 220 nm



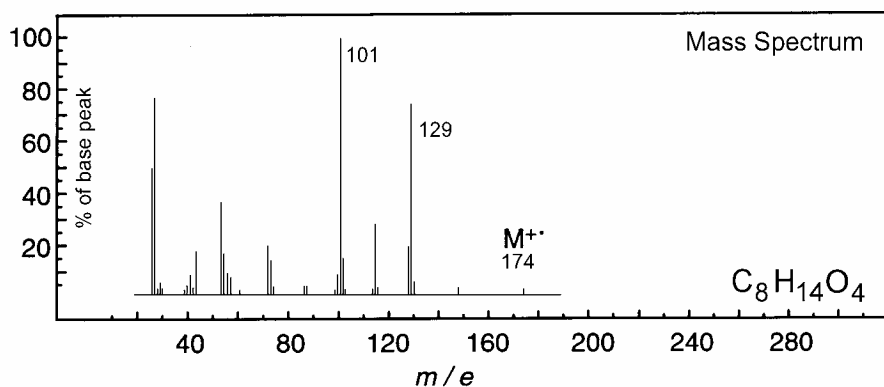
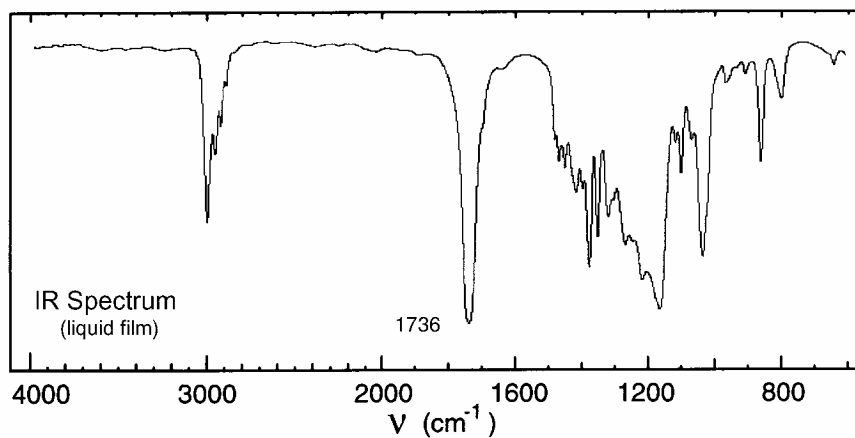
Problem 47



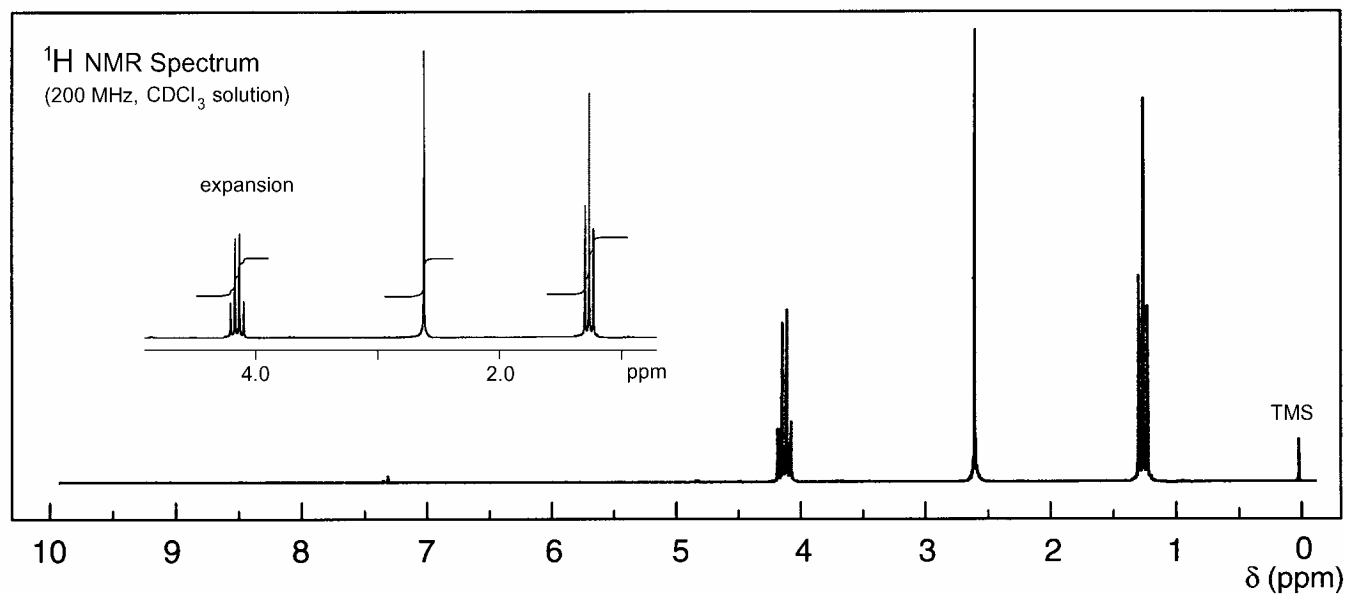
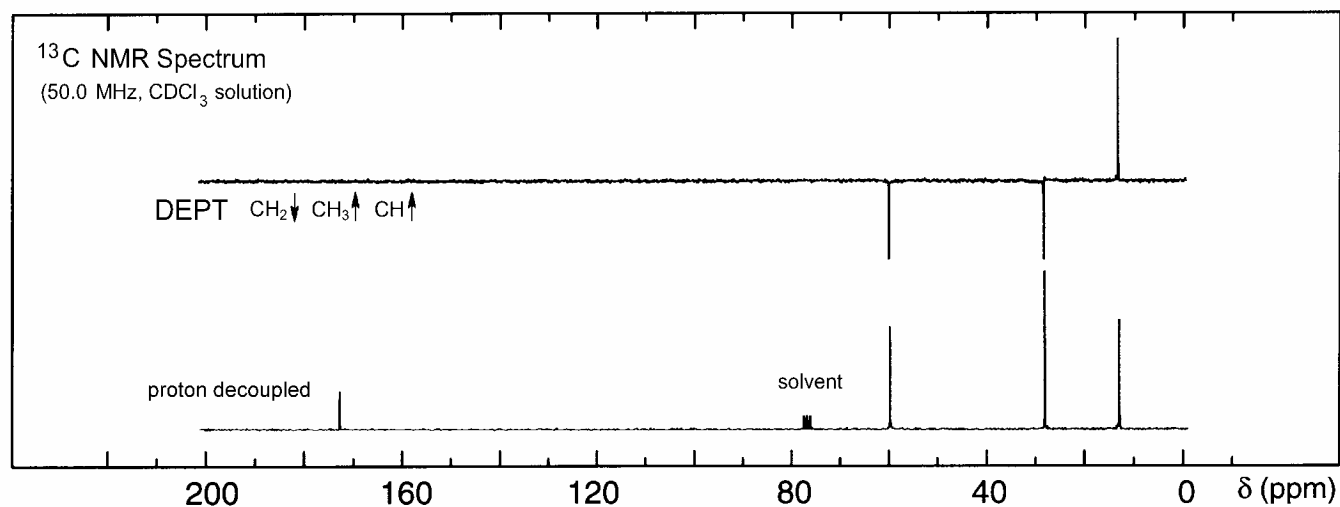
No significant UV
absorption above 220 nm



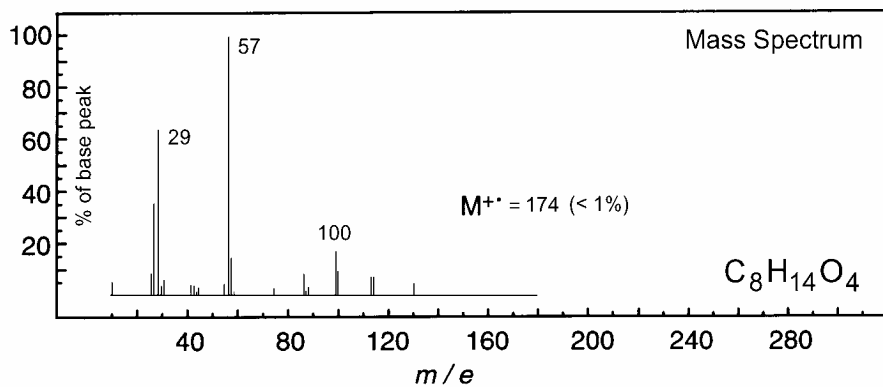
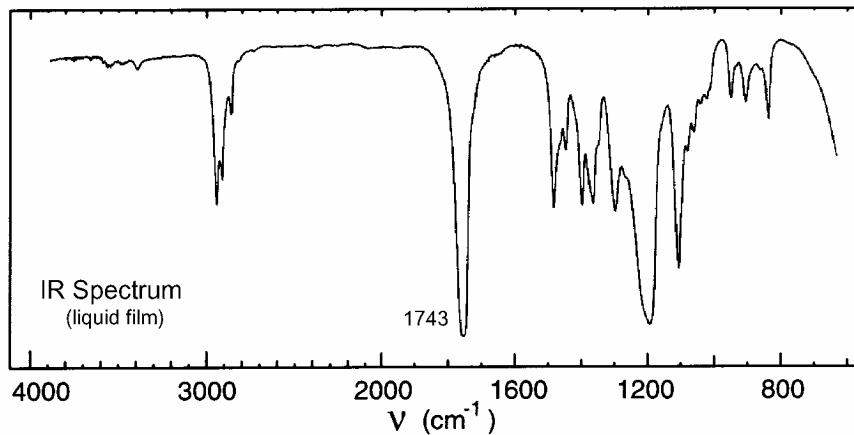
Problem 48



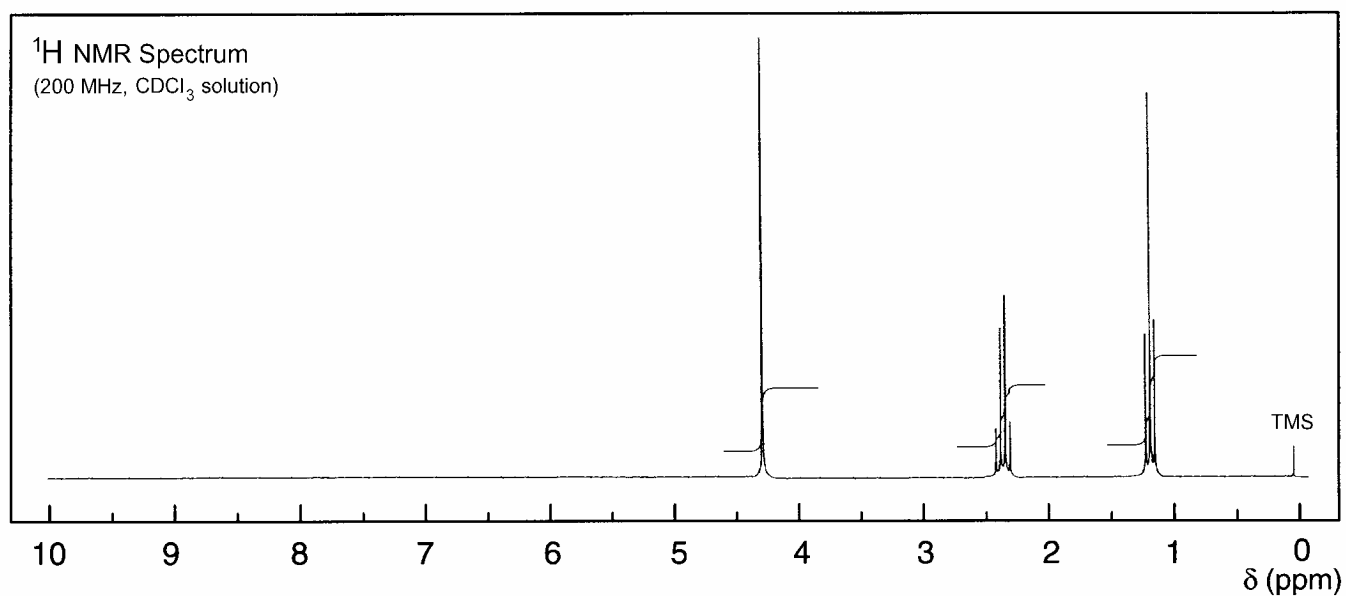
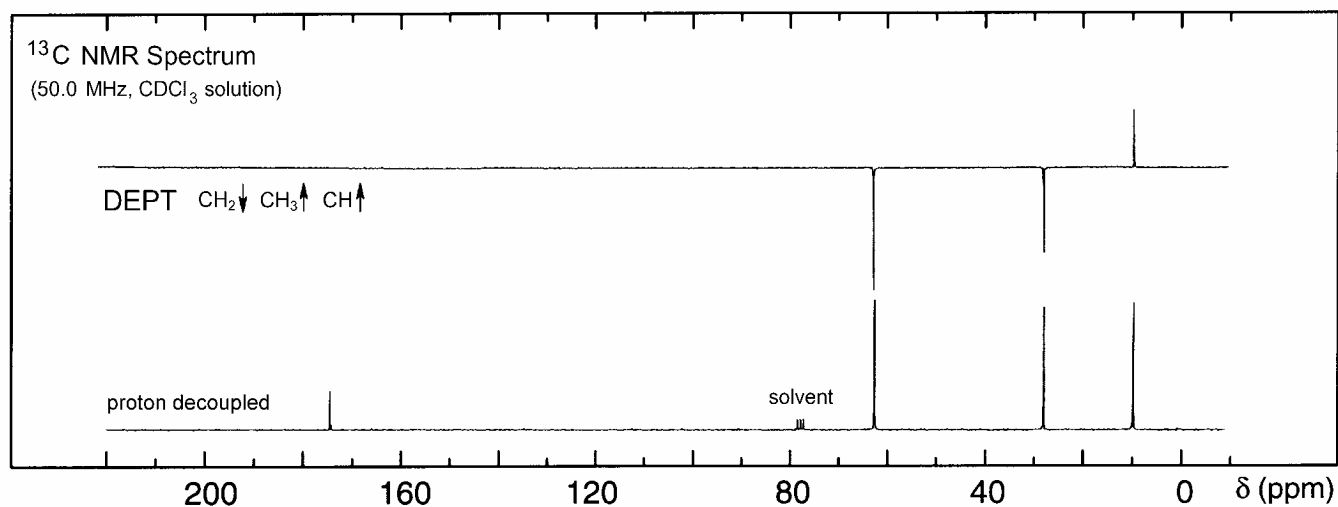
No significant UV
absorption above 220 nm



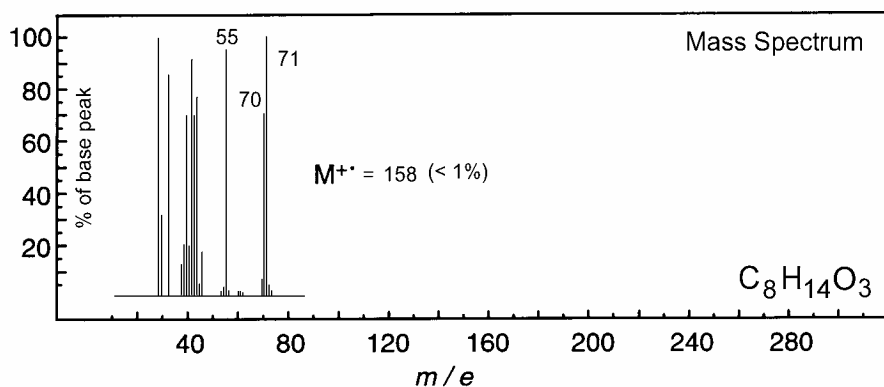
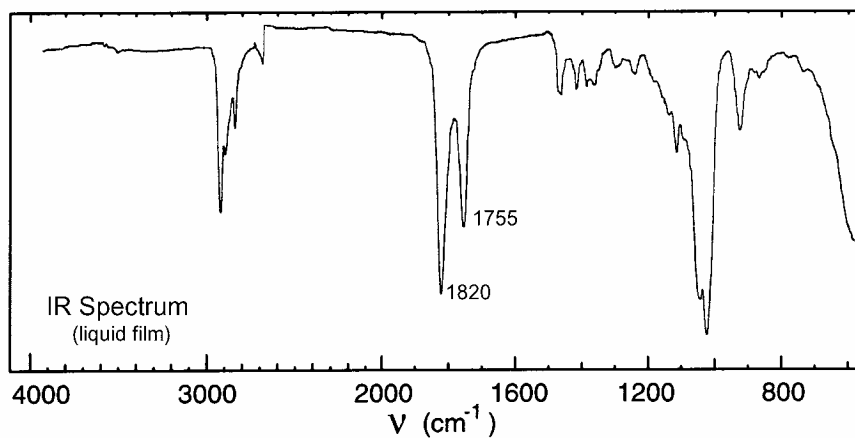
Problem 49



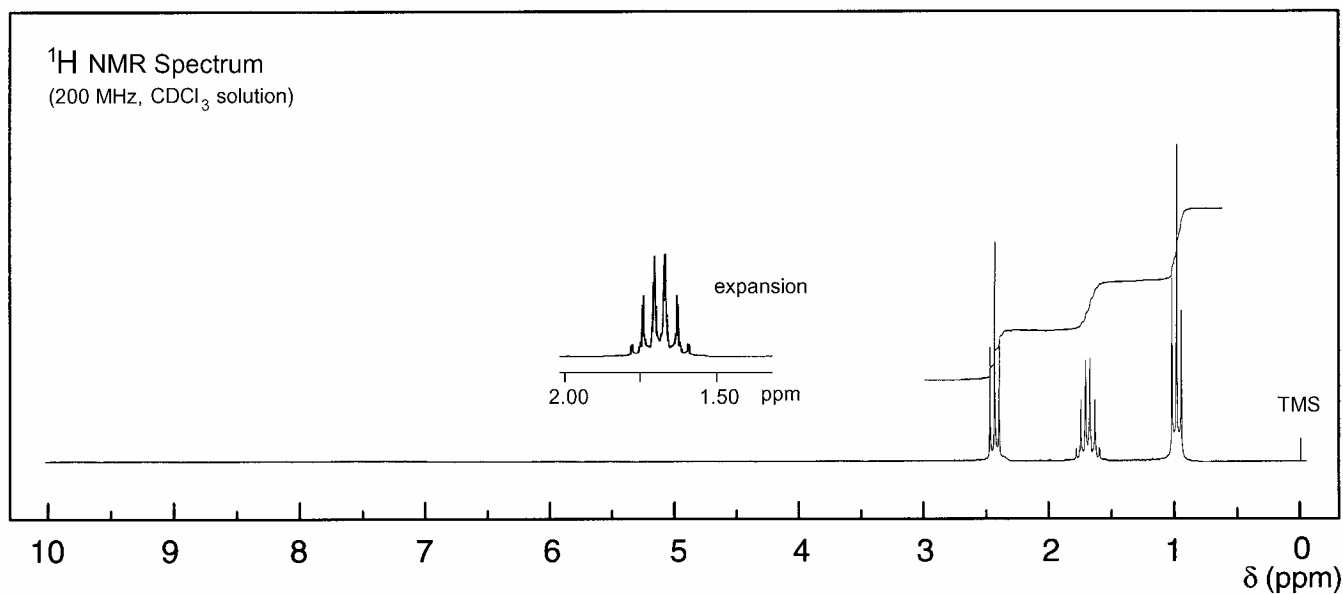
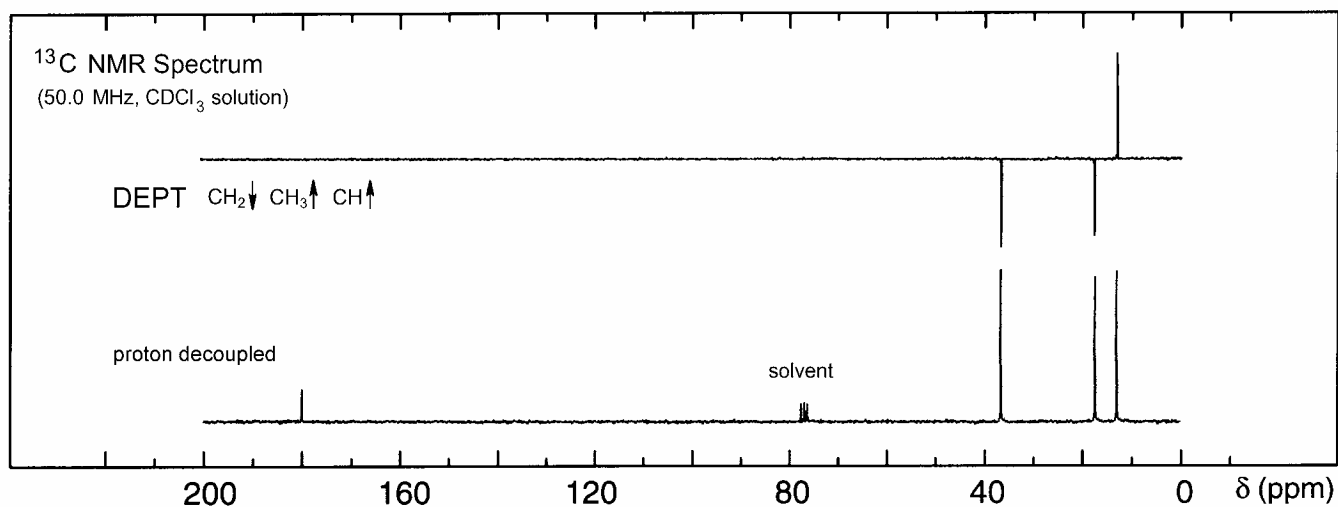
No significant UV
absorption above 220 nm



Problem 50



No significant UV
absorption above 220 nm



Problem 51

